

The
CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

NOVEMBER 23 1957



The ideal lozenge
for all
throat infections—
now advertised
to the public

Savlon

ANTISEPTIC LOZENGES



containing 'Hibitane', the new
I.C.I. antiseptic of unrivalled
bactericidal action.



**You've
got to
hand it to**

WRIGHT'S

- ★ The only soap with half a century of medical recommendation.
- ★ More awards by the Royal Institute of Public Health and Hygiene than any other soap of its type.
- ★ Fifty years of consistent advertising, in consumer and medical press.
- ★ Prompt delivery on all orders.



WRIGHT'S COAL TAR SOAP



FRUSTRATED EXPORT

releases

20,000 Nursery Hot Water Bottles



below-cost offer to Chemists only

All perfect, fully guaranteed, cellophane wrapped. These famous Nursery hot water bottles—best sellers year after year — will increase profits, increase sales and bring more Xmas trade to the pharmacies.

**ORDERS OF
LESS THAN 18**

45! DOZEN
15/- below
usual price

**ORDERS OF
18 OR OVER**

42! DOZEN
18/- below
usual price

DESIGNS AS ILLUSTRATED, IN PINK, BLUE OR GREEN.

Orders up to £5 charged 2/- carriage — over £5 carriage paid.

**ORDERS (dealt with in strict rotation) SHOULD
BE POSTED OR TELEPHONED (BARNET 5555) TO**



S Maw Son and Sons Limited Barnet England

The place of DISPRIN to-day

The very general acceptance which Disprin has won, stems simply from its analgesic superiority, based on two qualities. It is soluble; and it is substantially neutral. Consequently, Disprin is quick-acting and far less likely than ordinary aspirin to upset the stomach.

These notable advantages are now very widely appreciated. Medical opinion is overwhelmingly in support of soluble aspirin. And this opinion is increasingly reflected in the attitude of the public.

The advantages of Disprin are clearly explained through the medium of advertising, to millions of readers of the national daily and

national Sunday papers, and also to viewers of commercial television in London, the Midlands, and the North.

In these circumstances, it is only natural that more and more people, grasping the advantages of Disprin, are demanding it for the relief of headache, colds, neuralgia, sciatica, rheumatism, and kindred ailments.



DISPRIN^{REGD.}

RETAIL PRICES (*incl. P.T.*) 50-tablet bottle 3/3; 26-tablet bottle 1/11½; 8-tablet foil 9d.

TRADE PRICES (*excl. P.T.*) 50-tablet bottle 23/- doz.; 26-tablet bottle 13/10 doz.; 8-tablet foil 5/2 doz.

RECKITT & COLMAN LTD., HULL & LONDON
PHARMACEUTICAL DEPT., HULL

Made
PURELY
for him



Of all baby foods, there is not one you can sell with greater confidence and profit than Ostermilk. Into it goes the long and wide experience responsible for *all* the Glaxo products—vaccines, antibiotics, vitamins and other medical preparations—which you supply either to doctors, or to the public. The immense national advertising now appearing inevitably means a greater call for Ostermilk than ever before—and a need to ensure that your stocks are ample to cope with it.

OSTERMILK

Trade Mark

No. 1 Fat-modified; No. 2 Full-cream; both containing added iron and vitamin D. In 1 lb. tins. Retail price 3/9; wholesale price 40/- per dozen, special parcel rates available.

Into Ostermilk goes all the experience of Glaxo Laboratories

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX BYRON 3434
Subsidiary Companies or Agents in most countries.



HERE IS A PRICE REDUCTION

"Skylon"

Dual Purpose feeding
Bottle complete with
Cap and Teat 4/4d.
Without Cap 3/4d.

Boat Shaped Feeding
Bottle 2/8d.

Narrow Neck Feeding
Bottle 2/6d.

THE ORIGINAL POLYTHENE FEEDING BOTTLES

PATA

Improved production methods have enabled us to reduce the price of our unbreakable, lightweight babies' feeding bottles — they are hygienic, tasteless, odourless and unaffected by foodstuffs — this dual purpose bottle with its no-germ cap and graduations combines the advantages of a food measure. Full sterilizing instructions with each bottle.

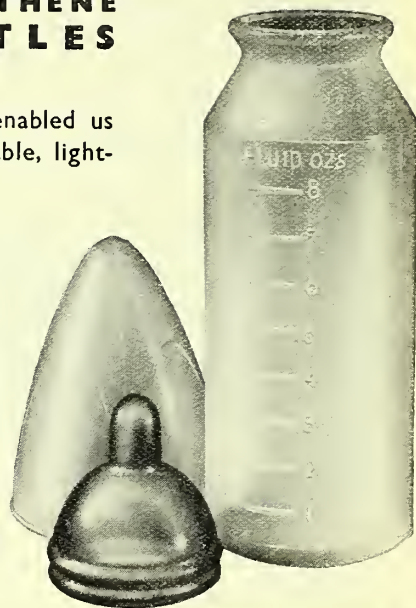
By far the best value for this type of Product

Obtainable from your usual Wholesaler



F I B R E N Y L E
L I M I T E D

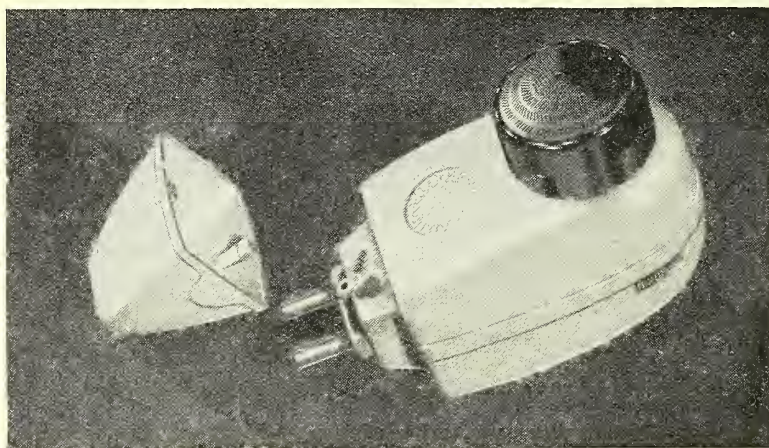
ACORN 5073/4



RETAIL
PRICE
4/4
COMPLETE

157, DUKES ROAD, WESTERN AVENUE, LONDON W.3.

JACW/FB/2



... HERE IT IS !

THE LONG-AWAITED
TRAVELUX
RECHARGEABLE SHAVER

**NO FLEX
NO CLOCKWORK
NO BATTERY**

Stock up now to meet the pre-Xmas demand for this remarkable electric dry shaver. Recharged by plugging into a light point for one night a week, it gives continuous trouble-free, flex-free shaving anywhere. No wonder it's catching on like wildfire.

SOLE DISTRIBUTORS

PERIHEL LIMITED

146 NEW CAVENDISH STREET, LONDON W.1. LANGHAM 2411

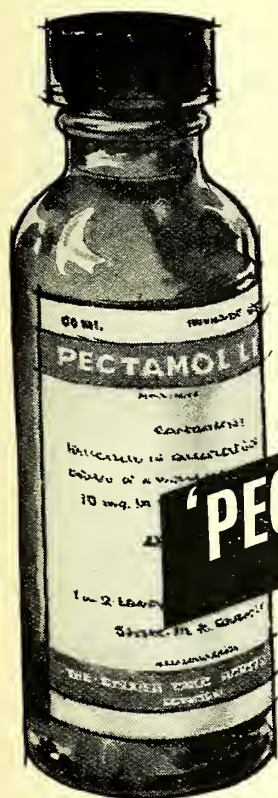
**AS SHOWN
ON TV
AND
IN NATIONAL
PRESS**

Member of the K. G. (Holdings) Ltd. Group of Companies

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(continued overleaf)



Something new in cough suppressants

The discovery of oxeladin citrate in the B.D.H. Laboratories marked a new approach to the cough problem. Its action is to depress the activity of the cough centre in the medulla without hypnotic action on the higher centres. Oxeladin citrate is the active substance in



	TRADE	RETAIL
Bottle of 60 ml.	2/6	3/9
Bottle of 250 ml.	8/9	—
Bottle of 2 litres	56/1	—

Exempt from Purchase Tax

TRADE: 23/9 per doz. tins (in display outers containing six tins).

RETAIL: 2/8 exempt P.T.

BONUS: two tins with every dozen.

Reduced prices for quantity purchases.

A showcard is available.

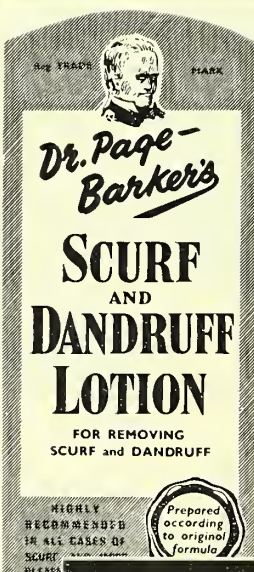
THE BRITISH DRUG HOUSES LTD · LONDON

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Two absolute winners!





Dr. Page Barker. Everyone knows that name. It stands for quality. And it is quality and reputation that ensure repeated sales.

Dr. Page Barker's Scurf and Dandruff Lotion and D.43 Shampoo are known for their unflinching reliability in keeping the scalp clean and healthy. And healthy hair means hair with lustre and looks.

Stocking these popular lines, means that you have a share in the prestige and the profits!

A Page Barker Showcard, that will catch the customer's eye and remind him of his need is available on request.

THOS. CHRISTY & CO. LTD

North Lane, Aldershot, Hants.

Mr. Smith takes top marks

Just to be "known" will not do for Mr. Smith. In terms of goodwill, that may mean very little. He puts himself to a sterner test. He asks himself, "How well is 'J. Smith' known, and by how many?"

Now in such a test Mr. Smith really takes top marks. He is very well known. And what is more, he deserves to be. Even one visit to his pharmacy may mean that during the following few weeks a customer, taking his pills or tablets as prescribed, is reminded of Mr. Smith no fewer than 100 times!

GOODWILL AT LOW COST

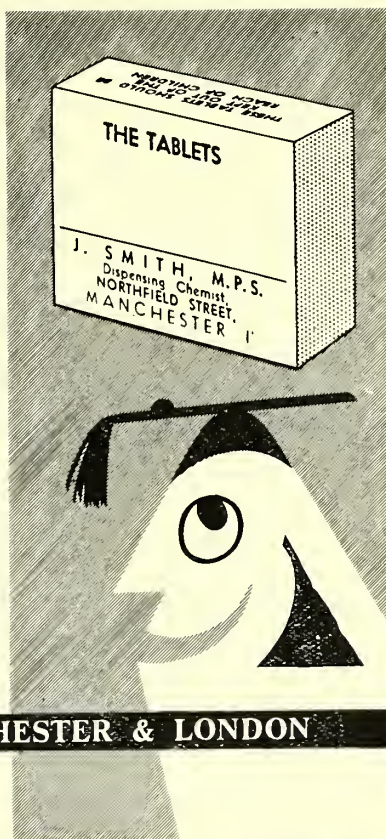
Mr. Smith has many such customers just now. He thus gets all the benefit of an intensive propaganda campaign without the trouble of one, or the cost. How? By having his name printed on his Certor Dispensing Cartons. He becomes well known, he builds up goodwill, at an extra cost (would you believe it?) of . . . 3/- per 1,000!

* Certor Counter Satchels can also be printed with your own name at small extra cost. Samples of both cartons and satchels on request.



MACDONALD & SON LTD. of MANCHESTER & LONDON

Portland Mill, Ashton-under-Lyne, Lancs. Tel.: Ashton 4422 (10 lines).
25 Holywell Row, London, E.C.2. Tel.: Bishopsgate 4809 (2 lines).



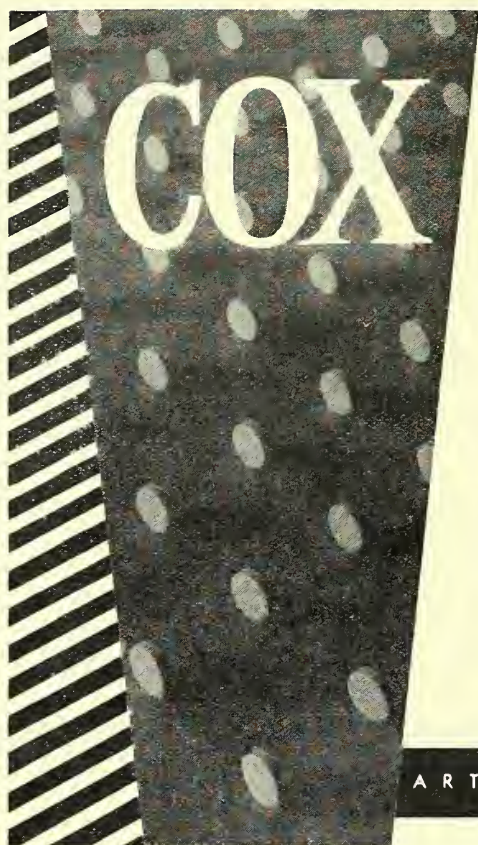
**IF YOU ARE LOOKING FOR A TABLET MANUFACTURER TO HANDLE YOUR PRODUCT
BE IT LARGE OR SMALL, IN THOUSANDS OR MILLIONS, WHY NOT**

CONTACT ONE OF THE FOREMOST MAKERS WHO HAVE TAKEN PRIDE IN

MANUFACTURING TABLETS & PILLS FOR MANY YEARS

RICHARD DANIEL & SON, LTD. DERBY

Write us at Mansfield Road or ring Derby 40671 (Eight lines)



Manufacturers of PHARMACEUTICAL PREPARATIONS

for those who place quality first

THE FOREMOST TABLET HOUSE

ARTHUR H. COX & CO. LTD. BRIGHTON

POLYTHENE BAGS

Strong. Fully Tested. Prompt Delivery

(Flat) 150 Gauge

	per 100	per 1000		per 100	per 1000
3" x 5"	s. d. 5 0	s. d. 37 3	10" x 18"	s. d. 21 6	s. d. 161 6
4" x 6"	6 0	44 6	12" x 15"	21 6	161 6
4" x 8"	6 9	50 6	12" x 18"	25 0	188 6
4" x 10"	7 6	56 6	14" x 24"	35 9	287 0
5" x 12"	9 3	71 0	15" x 20"	32 6	260 0
6" x 8"	8 6	62 6	15" x 30"	46 6	372 0
6" x 9"	9 0	66 6	16" x 20"	34 6	275 0
6" x 11"	9 6	75 6	18" x 24"	44 9	359 0
7" x 9"	9 3	73 3	18" x 30"	50 6	440 0
8" x 9"	10 0	79 0	20" x 24"	47 6	395 0
9" x 11"	12 9	100 0	20" x 30"	55 9	485 0
10" x 12"	15 0	116 6	22" x 26"	53 3	463 6
10" x 13"	16 0	123 6	24" x 30"	66 3	575 0
10" x 15"	18 3	138 6	24" x 36"	78 6	682 6

(Gusseted) 150 gauge

	per 100	per 1000
4" x 2" x 8"	s. d. 8 6	s. d. 62 6
4" x 3" x 12"	12 0	89 0
6" x 3" x 12"	14 3	107 6
7" x 3" x 15"	18 3	138 6
8" x 4" x 15"	21 6	161 6
8" x 4" x 18"	25 0	188 6
10" x 4" x 24"	35 9	287 0
16" x 4" x 24"	47 6	395 0

Carriage extra. Prices net

Special quotation for large quantities.

Prices for other sizes to customers' requirements on request.

FRIGICOLD LTD.

POLYTHENE DIVISION

10 MANCHESTER SQUARE, LONDON, W.1

Telephone: WELbeck 8784

PRICE INCREASES

Owing to heavy increases in cost and our refusal to lower the quality of our products, we have been forced to put up all prices as from: 25/11/57.

New prices are as follows:—

			Price to Public (Inclusive of Purchase Tax)	Price to Retailer
CRÈME SIMON			EACH	DOZ.
JARS	...	No. 1	s. d. 10 9	s. d. 53 0
"	...	No. 2	7 6	37 6
"	...	No. 3	4 6	22 6
TUBES	...	No. 1	4 6	22 6
"	...	No. 2	2 3	11 3

CRÈME SIMON M.A.T.

(MATT-ACTIVE-TONIC)

JARS	...	(Large)	7 6	37 6
"	...	(Small)	4 6	22 6
"	...	(Popular)	2 3	11 3
TUBES	...	(Large)	4 6	22 6
"	...	(Small)	2 3	11 3

CRÈME SIMON NUCIA

JARS	...	7 6	37 6
TUBES	...	2 3	11 3

POUDRE SIMON No. 2

BOXES	...	6 3	31 0
-------	-----	-----	------

Shades: Blanche, Rose, Rachel, Rachel Foncé (deep Rachel), Naturelle, Ocre Rosée, Ocre, Bistre (Suntan), Brun Soleil (Sunburn).

Perfumes: Maréchale, Violette, Hélioïtrophe.

(Prices to Retailers quoted above are subject to 90% P.Tax)

CRÈME SIMON (DISTRIBUTORS) LTD.

31a/32a BEDFORD STREET, STRAND, LONDON, W.C.2

Phone: TEMple Bar 9285 Grams: Cremsimon, Lesquare, London

With an eye to more business

Distler, the world's most compact high precision battery shaver, is selling fast *everywhere* — because it gives perfect electric shaves without plugs, points or mains problems. There's bright display material to sell more Distler Battery Shavers to more and more customers. Strong I.T.V. eye-catchers will be shown during November and December. *It's good business to sell Distler.*



Show and Sell

DISTLER

BATTERY SHAPER

(Made in Western Germany)

Town n' Country

Look!

Low retail price
£5. 15. 6
(Incl. P.T.)
Less Batteries

Ask your wholesaler today, or write to:

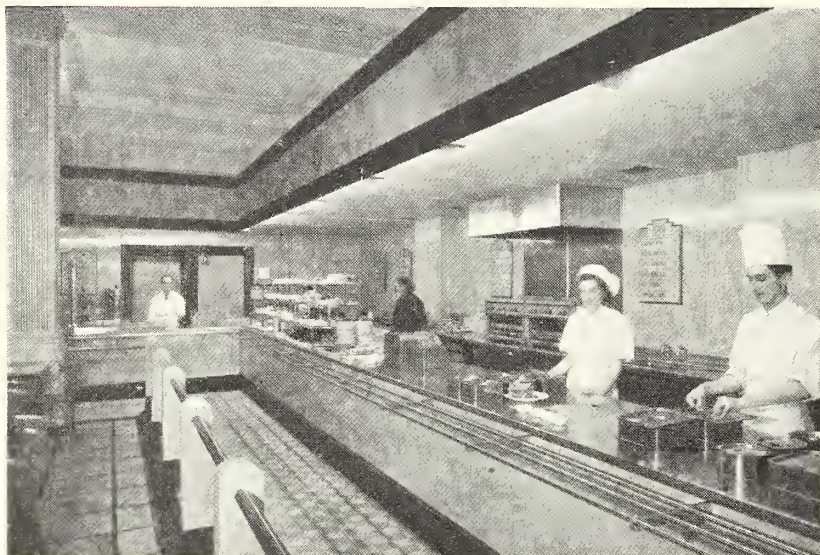
DISTLER LIMITED, 5 CONDUIT STREET, LONDON, W.1

(One of the Ewart Holdings Group of Companies)

Put your premises right on top

Ease of cleaning, attractive colourful patterns make hard-wearing WARERITE Plastics ideal for counters, shelves, table tops, kitchen fitments and other surfaces, in shops, showrooms, restaurants, hotels and bars.

The country-wide WARERITE Specialist Service provides prompt and expert fabrication and veneering of WARERITE Plastics.



◀ In the A.B.C. Empire Restaurant, Victoria, S.W. 1, WARERITE Birdseye Maple has been used for the flush doors, canopy, wall panelling, counter front and pillars.

Hygienic, easily cleaned and hard wearing WARERITE Plastics need no painting and so reduce maintenance costs to a minimum.

**Counter fitments :
Sumerling & Co. Ltd.**

**Veneering and Fabrication :
A WARERITE SPECIALIST.**

The walls of the branch of Boots Pure Drug Co. Ltd., at King Edward Street, Hull, are panelled in WARERITE Veneered Plywood in Green Finaweave pattern.

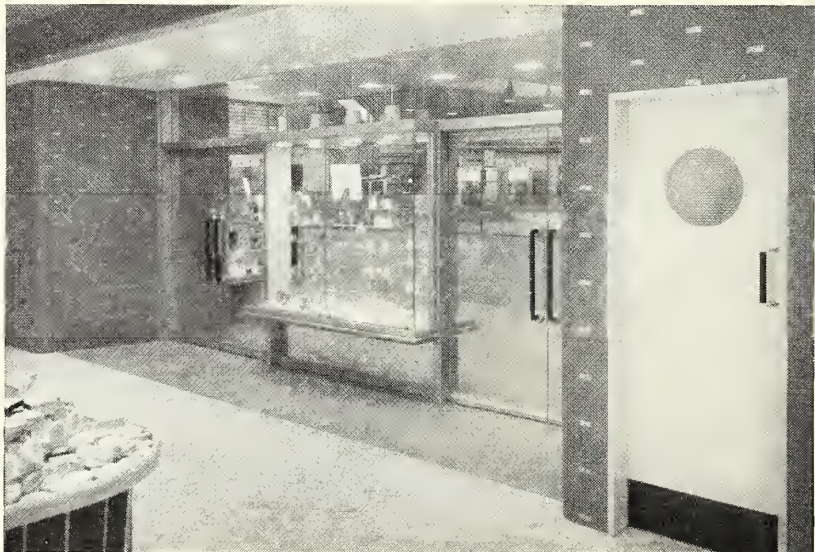
Stylised lion motifs, designed by the architects, in metallic foil were incorporated in the WARERITE. WARERITE Yellow Finaweave pattern was used for panelling the staircase.

**Design: The Architects
Dept., Boots Pure Drug Co.
Ltd.**

**Chief Architect,
C. St. C. Oakes, F.R.I.B.A.**

**Contractors :
Spooners (Hull) Ltd.**

**Veneering and Fabrication :
A WARERITE SPECIALIST.**



with **WARERITE** surfaces

REGD.



◀ This public bar in the Bull and Star Hotel, Putney High Street, London, has a Red Relief WARERITE top. WARERITE Plastics were used extensively in the modernisation of this hotel.

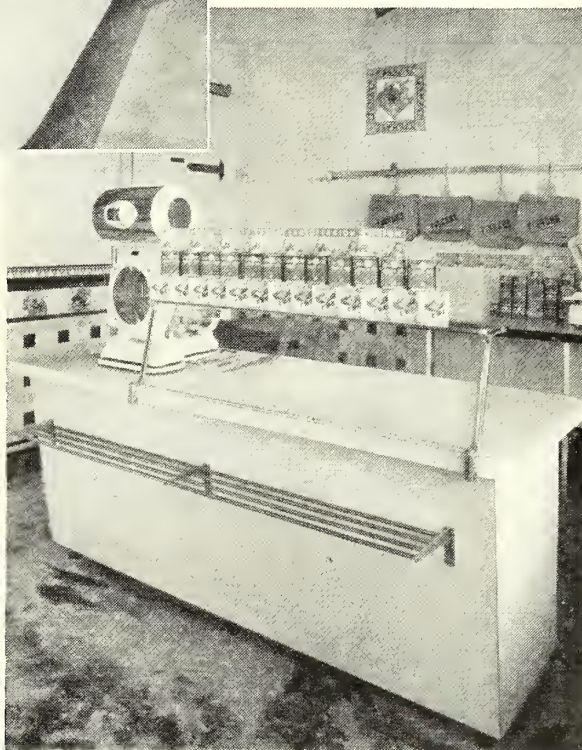
Designer and Contractor :
Druce & Co. Ltd., Baker Street, W.1.

Veneering and Fabrication :
A WARERITE SPECIALIST.

▶ This, and several other fitments in the Butcher's shop of A. E. Fisher (Luton) Ltd., are surfaced with WARERITE Plastics. Ease of cleaning, resistance to staining and hard wear make WARERITE Plastics ideal for the hygienic handling of food.

Installation : Messrs. F. C. H. Jarvis, Harpenden, Herts.

Veneering and Fabrication : A WARERITE SPECIALIST.



WARERITE Specialist Service

WARERITE Specialists supply sheet and cut sizes of WARERITE from stock. They also supply ready-to-fix bar, shop counter, and kitchen fitment tops, etc., expertly fabricated in WARERITE Veneered Plywood. Write to Bakelite Limited for colour booklet and details of the WARERITE Specialist Service.



YOUR LOCAL WARERITE SPECIALIST
IS INCLUDED IN THE LIST OVERLEAF

WARERITE *Plastics with the lovelier patterns*

REGD.

LOOK FOR THE NAME OF YOUR GET TO KNOW HIM—HE WILL

WARERITE Specialists will supply all types of WARERITE-

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LONDON — NORTH

N.1

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PLYWOOD CO. LTD
17a Balfe St., Tel: TEL

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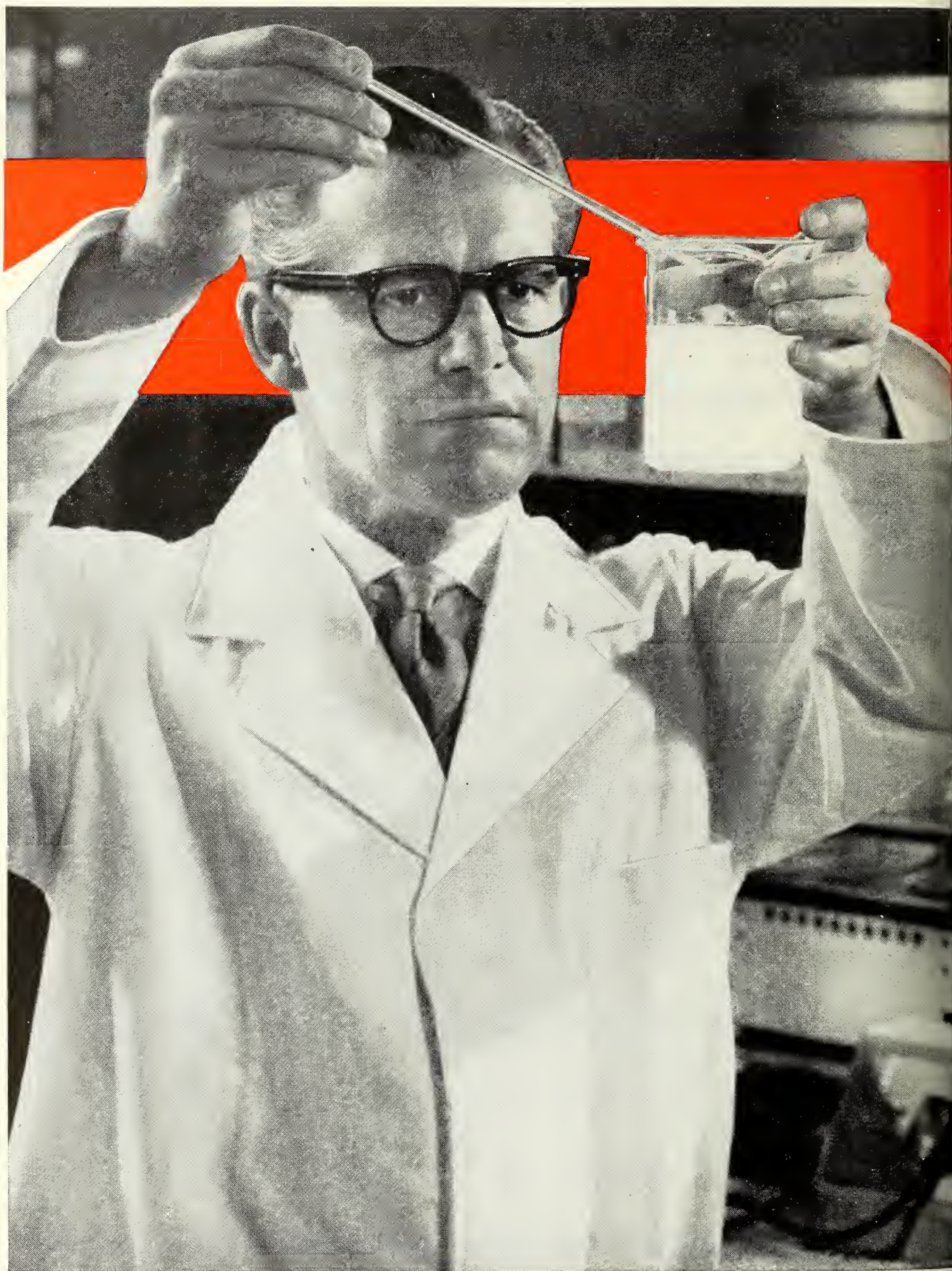
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<u>YOUR PROFIT</u>	<u>10/8½</u>

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& SELL**

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STOCK for Prescription and counter demand by ordering your supply from your Wholesaler NOW!

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— *THAT'S*



- Booklets to midwives,
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- DISPLAY MORE — SELL MORE — *THAT'S*



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POSODOLOGY
5 to 10 tablets
daily, to be
dissolved slowly in
the mouth

Indicated in the treatment of gram-positive infections of the throat and mouth, including Stomatitis, Gingivitis and Streptococcal Throat.



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YOUR PRICE:
31/6 per dozen

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They're made for Christmas giving

CHRISTMAS, the festival of the family, season of bright and gay colours. Christmas, the ideal time to sell houseware made from 'Alkathene'. Vigorous national advertising is telling your customers all about it. They know that it's light to lift, brightly coloured and marked with the 'Alkathene' label.

Make a big splash with houseware made from 'Alkathene'. Give it good window and shop display. Suggest it as the perfect Christmas gift. Your customers will jump at the idea—and sales will jump merrily ahead!



*'Alkathene' is the registered trade mark
for the polythene manufactured by I.C.I.*

IMPERIAL CHEMICAL INDUSTRIES LIMITED • LONDON • S.W.1.



Free Window Bills and Crowners

to link your shop with 'Alkathene' national advertising, are available on application through your usual trade channels or direct to Publicity Dept., Plastics Division, Imperial Chemical Industries Ltd., Black Fan Road, Welwyn Garden City, Herts. Shelf cards can be obtained from individual manufacturers.

AH.26

Higher profit per tin



What S-M-A means for you*

- 1** S-M-A is being actively promoted only to doctors and to nurses, and distributed only through the chemist trade. You are assured, therefore, of continuity of sales.
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- 3** Only one strength of S-M-A is necessary. No stock duplication problems.
- 4** There is a comprehensive range of point-of-sale material available on request.
- 5** **Your profit is 1/9d. per tin.** S-M-A- retails at 9/- per tin, less than 1d. per oz. of prepared feed.

on new baby food

*S-M-A is not just another baby food,
it is a complete infant diet—
for it contains qualitatively as well as
quantitatively balanced amounts of
all the basic food factors, essential
vitamins and minerals.*

All you do is add water: the powder
mixes readily to give the perfect,
trouble-free feed for baby. And it's
a trouble-free feed for Mother as well,
because not only is it simple and
quick to prepare, but it also assures
her of as natural growth and
development of her infant as she
would expect with breast-feeding.

PACKS: One pound tins.



John Wyeth and Brother Limited,
Clifton House, Euston Road, London, N.W.1

*trade mark

SMA-3

*The nearest
approach to
mother's
milk*

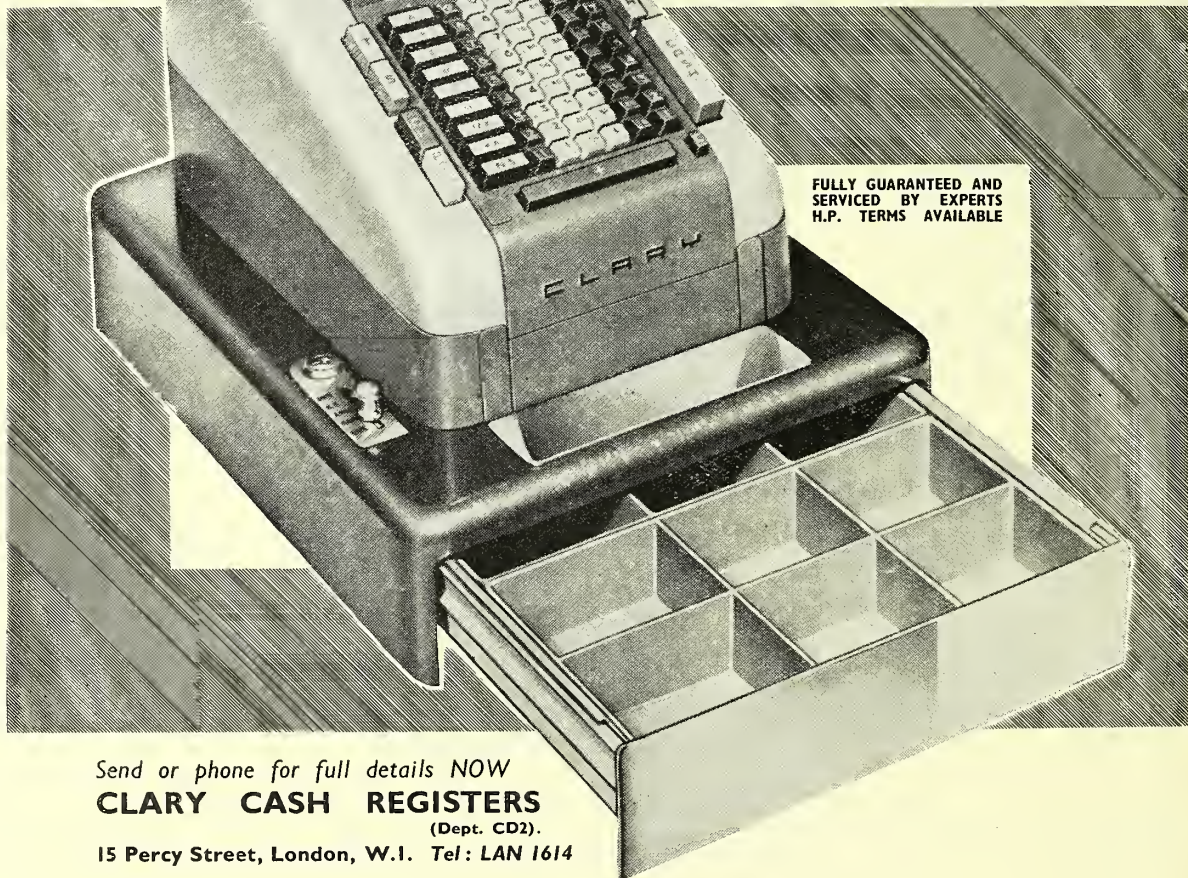




give your business a **Clary** for Christmas

At busy times like this you need the most efficient cash register possible. That's why you'll be glad of a **Clary**, the business machine that's so much more than just a cash register. **Clary** is the only Cash Register that subtracts as well as adds.

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Sunbeam ...to the front again!



Lower prices... Bigger Than Ever Sales!

No need to tell you about the famous Model W Shavemaster. It has outsold every other single model of any make in the world! Now, drastically reduced in price to coincide with the introduction of the new *Silver glide* models, sales will be bigger than ever before.

Standard Model WZA Shavemaster . . now only £8.8.0
Multi-volt Model WRA Shavemaster . now only £9.9.0
(retail prices inc. tax)



LADY SUNBEAM SHAVEMASTER

Slim and as neat as a powder compact, it has one shaving edge for legs, another for under the arms. The world's first electric shaver designed exclusively for women.

In three attractive colours £5.17.6

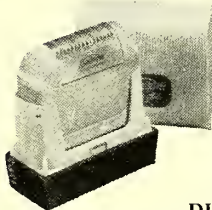
The Sunbeam Shavemaster is being widely advertised. There will be no more popular gift this Christmas. ORDER NOW!

Sunbeam Electric Ltd., Nerston, East Kilbride, Glasgow. Famous throughout the world for Sunbeam Mixmaster, Sunbeam Mixmaster Junior, Sunbeam Frypan-Cooker, Sunbeam Ironmaster.

Silver glide SHAVE MASTER

**the latest . . . the most elegant
. . . the finest, most practical . . . and
now in 6 most attractive colours!**

Sunbeam brings you the very latest electric shaver—just in time for Christmas! It's the happiest gift a man could receive. And now he can have all that the name Sunbeam implies... *plus* an attractive presentation case, which also serves as the most practical holder ever... *plus* a choice from 6 most attractive colours, too!



STANDARD MODEL XC

Silver glide Shavemaster, as illustrated, AC/DC mains, 210/250v
£10.15.2 (tax paid)

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Silver glide Shavemaster, in a superb, leather travelling case. Adaptable for British, Continental and American sockets AC/DC mains, 100/140v. 190/250v £11.18.6 (tax paid)

GO GAY THIS CHRISTMAS

WITH
Movie-paks

More Movie-paks are being given as gifts than ever before. And what cine man's party is complete without a couple of new ones to show. Yes, your customers are going to want more of these firm favourites this Christmas. Already hundreds of the new Movie-pak catalogues have gone out to prospective buyers. They know all about the latest releases—and they'll be asking you for them. There'll be scores of new customers too, in response to our extensive advertising. Are you ready to meet Christmas demands?

* Send coupon today for Christmas counter display unit and supplies of the Christmas number of the "Movie-pak News"—your customers will want them.

give Movie-paks this year!

Available in 16 mm. sound and silent and 8 mm. silent

Illustration: A group of people in winter clothing are gathered around a fireplace. A hand is placing a Movie-pak into the fire. The Movie-pak is labeled "G.B. FILM LIBRARY", "Movie-pak", "PROJECT AT 24 F.P.S.", and "THREE LITTLE BOOIES MAKE FRIENDS".

STOCK *Movie-paks*
THIS CHRISTMAS, AND YOUR TILL
WILL TELL THE TALE!



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RANK PRECISION INDUSTRIES (BAF) LTD.
AINTREE ROAD · PERIVALE · GREENFORD · MIDDX.

Post this coupon NOW to

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NAME _____

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CD/11/57

For *YOU* who have an eye for
FUNCTIONAL

Beauty



send for



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or electrical operation,
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NAME

COMPANY

ADDRESS

The new complete treatment for migraine

ORGRAINE

Composition (per tablet)		Action
Ergotamine Tartrate B.P.	1.0 mg.	→ constricts dilated cerebral arteries.
Caffeine B.P.	100.0 mg.	→ potentiates ergotamine.
Hyoscyamine Sulphate B.P.C. (1949)	0.0875 mg.	→ alleviates nausea and vomiting.
Atropine Sulphate B.P.	0.0125 mg.	
Phenacetin B.P.	130.0 mg.	→ relieves residual occipital pain.

In a recent clinical article (J.A.M.A., 1957, 163, 1115) it was stated that in a series of 2,511 cases in which 28 agents were tested in the symptomatic treatment of migraine, ergotamine tartrate was proved to be the most useful drug—and 81% of the patients showed improvement when ergotamine tartrate and caffeine were compounded with belladonna alkaloids. Orgraine applies the same successful principles of treatment.

PACKS: Tablets individually foil-stripped,
in boxes of 10 and 100.



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**"Variety is the spice
of mixed feeding.
When your baby
starts taking a
mixed diet, ring the
changes and make
it as widely varied
as you can."**

This is an extract from an article in a recent issue of *Family Doctor*, in which a leading children's dietitian emphasises the importance of variety in mixed feeding for babies.

This emphasis on variety is the modern trend in baby feeding and your customers will want to keep in step with present-day thinking.

There are 22 varieties of Heinz Baby Foods. Keep a wide selection on display in your store. The more your customers see, the more they'll buy!



**Strained broths,
soups,
vegetables,
sweets,
also
Junior Foods**

Heinz Baby Foods

H. J. Heinz Company Limited, Harlesden, London N.W.10



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

Volume 168

November 23, 1957

No. 4057

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'LANOXIN' *for maintenance therapy*

It never varies in potency.

It is taken each day, not intermittently.

Over-digitalisation quickly subsides because of rapid excretion.

'LANOXIN' BRAND *for*
DIGOXIN *unfailing*
uniformity



BURROUGHS WELLCOME & CO. (*The Wellcome Foundation Ltd.*) LONDON

The CHEMIST AND DRUGGIST

Volume 168

NOVEMBER 23, 1957

No. 4057

"Pharmacists" on TV BAN ON RECOMMENDING PRODUCTS

THE advertising advisory committee of the Independent Television Authority has decided that pharmaceutical chemists are a class of professional people, and come within the prohibition against advertisers' giving the impression of professional advice in the advertising of medicines and treatments.

The decision is recorded in the annual report of the Authority for 1956-57, recently published (H.M. Stationery Office, 2s. 6d.).

Paragraph 2 (b) of Appendix I of the Principles for Television Advertising reads as follows:—

"Visual presentation of doctors, dentists, nurses, midwives, etc.

In the advertising of medicines and treatments, statements, gestures or representations that give the impression of professional advice or recommendation should not be allowed"

The report notes that three questions arose on that. The first was whether pharmaceutical chemists were a class of professional people covered by the prohibition. The advertising advisory committee decided without hesitation that they were. The second question related to the allowability of medical advice or recommendation being given in a television advertisement by a person who, while not being specifically identified as such, might look like a pharmaceutical chemist or doctor, for example because he was wearing a white coat or appeared in a setting which closely resembled a doctor's consulting room. The committee thought that in such circumstances an impression of professional advice or recommendation would be given and that, although the person appearing was not specifically identified, the advertisement was not allowable. The third question related to the application of the Principles to products which could not strictly be regarded as falling within the category of medicines and treatments but for which medical claims were made, e.g., that they were beneficial in case of illness. The committee decided that it was only permissible to advertise such "borderline" products in ways which would also be allowable in the advertising of medicines and treatments proper and that the provision of the Principles quoted above must be regarded as applying to such products.

"Co-ops" and C.F.

RESTRICTIVE PRACTICES MEMORANDUM

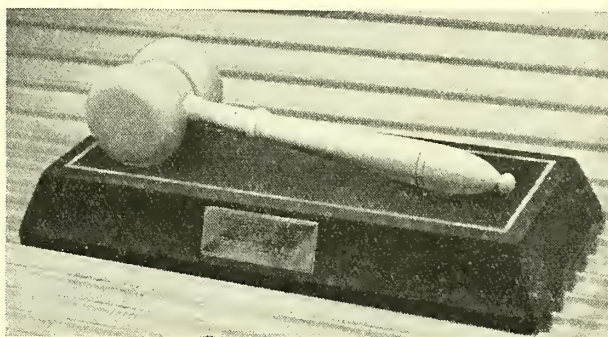
THE parliamentary committee of the Co-operative Union has approved for submission to the registrar of Restrictive

Trade Practices a memorandum on the activities of the Chemists Federation. The memorandum states that "while chemists are trying to secure a monopoly of all goods of a medicinal character, they have no compunction about competing with other traders in the sale of goods such as soap, shaving requisites, starch, sugar confectionery, toilet goods, hair brushes, photographic materials and various items of hardware."

Information for Doctors

NEW SERIES OF REFERENCE CARDS

THE first three in a new series of standard-sized reference cards have been sent to doctors in the United Kingdom by the Crookes Laboratories, Ltd., Park Royal, London. The size of the new cards—7½ by 5 in.—was recommended by the British Medical Association and the Association of British Pharmaceutical Industry, so that general practitioners could receive concise information about new products in a form which could be easily filed with patients' clinical records. New cards are being issued for all the company's prescription products. The cards have a double heading, consisting of the product name and its description which facilitates filing either under the name or a particular category of product. The subheadings include formula, action, indications, method of use and dosage, packing, and basic N.H.S. cost. Doctors were asked to criticise and suggest improvements, and as a result future cards will give retail prices.



MEMORIAL GAVEL : Purchased as a memorial to the late Mr. A. M. Mees, the ivory gavel here illustrated stands on a wooden base with inlaid ivory border and silver panel bearing the inscription: "Presented in 1957 by the members of the Council, Guild of Public Pharmacists, in memory of Mr. Arnold Marshall Mees, President 1954-56."

Health Service Tribunal

NO REPRESENTATIONS AGAINST CHEMISTS

FOR the second three-year period in succession, no representation has been made against a chemist before the National Health Service Tribunal for England and Wales, states the Tribunal's report for the third three-year term (1954-57). During the period thirteen cases involving other Health Service practitioners were instituted.

P.A.T.A. Election

NO CONTEST FOR COUNCIL

ALL candidates for the Proprietary Articles Trade Association Council have been returned unopposed in all sections. They are: *Retail section*, Messrs. T. C. Neville Booth, Exeter; H. G. Moss, Feltham; G. H. Walker, Birmingham; J. F. Watts, Denaby Main, Yorks; *Manufacturers' section*, Thos. Christy & Co., Ltd., Aldershot; Horlicks, Ltd., Slough; Lincoln and Midland Counties Drug Co., Ltd., Lincoln; Macleans, Ltd., Brentford; E. R. Squibb & Sons, Ltd., London; *Wholesale section*, Ayrtton, Saunders & Co., Ltd., Liverpool; Thos. McMullan & Co., Ltd., Belfast; Raimes, Clark & Co., Ltd., Edinburgh; and Sangers, Ltd., London.

Arnold Mees Memorial

FIRST USE OF GUILD'S NEW GAVEL

THE chairman's gavel presented by members of the council of the Guild of Public Pharmacists in memory of Mr. Arnold Marshall Mees (picture, below) was used for the first time at the council's meeting on November 16. The Gavel and stand were purchased as a permanent memorial in token of the high regard in which the late Mr. Mees was held by the Council, and "for all the unselfish devotion he had always given to hospital pharmacy." Cash donations from members of the Guild and friends totalled £250, which is being presented to Mrs. Mees on a suitable occasion in the near future. The Council of the Guild thanks all

members and friends both in the pharmaceutical world and outside who gave so generously.

Science Lectures

ROYAL SOCIETY OF ARTS PROGRAMME

AMONG lectures arranged for the 204th session of the Royal Society of Arts, John Adam Street, London, W.C.2, are the following:—December 4, Dr. F. Wokes (director of research, Ovaltine Research Laboratories) on "Vitamins and the Scientist"; February 26 (Fernhurst lecture), Dr. P. W. Brian (head of the microbiology department, Imperial Chemical Industries, Ltd.) on "Gibberellic Acid: A New Plant Hormone Controlling Growth and Flowering"; March 12 (E. Frankland Armstrong memorial lecture), Mr. N. W. Pirie (Rothamsted Experimental Station) on "World Hunger as a Biochemical Problem"; May 14 (Sir William Jackson Pope memorial lecture), Professor Sir Ian Heilbron on "Expanding Horizons in Inorganic Chemistry." Non-members may attend those meetings by ticket, available free from the secretary of the Royal Society of Arts.

Science Papers Invited

JOINT MEETING WITH ITALIAN SOCIETY

A JOINT meeting of the Society of Chemical Industry and the Italian Chemical Society is being held in Turin, May 25-31, 1958. The Society of Chemical Industry, 14 Belgrave Square, London, S.W.1, is inviting offers of papers suitable for one or other of the sessions, namely:—Fine chemicals, pharmaceuticals and natural products; food and agricultural chemistry including pesticides; chemical microbiology; plastics, fibres and textiles including dyestuffs; analytical and physical methods including radiochemistry; and chemical and nuclear engineering including corrosion.

Proprietary Drugs

PAYMENT TO DOCTORS CHANGED

COMMENCING with the prescriptions dispensed in the quarter ending December 31, 1957, the basic price of proprietary preparations will, for the purpose of remunerating dispensing and prescribing doctors, be taken to be the retail price less 20 per cent. That is because the Ministry of Health has been informed that doctors do not pay the net wholesale price for proprietary preparations, on which the payments provided for in the Drug Tariff are based, but pay the retail price less 20 per cent.

Colombian Debt

OFFER TO BRITISH CREDITORS

THE Board of Trade stated on November 6 that the Colombian Government had made an offer for the settlement of the commercial debts owed to United Kingdom creditors. The offer covers (a) all commercial debts maturing up to December 31, 1956, and (b) commercial debts maturing between January 1 and June 17, 1957, in respect of goods cleared through the Colombian Customs

before May 1, 1957, the import of which was not authorised by import licences bearing the stamp of "repayment in 120 days." The offer is 20 per cent. cash down, payable immediately, and 80 per cent. deferred payment commencing on January 1, 1959, in thirty-six bills maturing monthly thereafter. Interest of 5 per cent. will be paid on those bills, commencing from the date of acceptance of the offer. It is open to all United Kingdom creditors. Acceptance of the offer must be notified to the Colombian authorities before November 30, 1957. Creditors who wish to accept are advised to inform their banks without delay.

Royal Society Medals

AWARDS FOR SCIENTIFIC STUDIES

THE following awards of medals have been made by the Royal Society: *Copley medal*, Sir Howard Florey (professor of pathology, University of Oxford) for contributions to experimental pathology and medicine; *Davy medal*, Dame Kathleen Lonsdale (professor of chemistry, University College, London) for studies in the structure and growth of crystals; *Buchanan medal*, Sir Neil Hamilton Fairley, for contributions to the control of malaria.

Key Industry Duty

RENEWAL OF EXEMPTIONS

THE Board of Trade is considering the renewal for the period February 19, 1958, to August 18, 1958, of the exemption from Key Industry Duty of those chemicals, etc., which, by virtue of various Orders, are exempted from that duty. Communications should be sent to the Board of Trade, Tariff Division, Horse Guards Avenue, London, S.W.1, not later than December 18.

SCOTTISH NEWS

Dangerous Drugs

DOCTORS' STOCK ORDERS

FOLLOWING a request from the Scottish Department of the Pharmaceutical Society, the Department of Health for Scotland has augmented the requirements for the recording of the ordering by doctors of Dangerous Drugs for their stocks. Doctors, unless they call and sign the Poisons Register, must supply the pharmacist with a duplicate copy of the order. The order

should be entered in the Poisons Register as a "signed order" and the duplicate retained for inspection, after the original has been submitted for pricing. An entry under the appropriate section of the Dangerous Drugs Register is also required. That arrangement applies only to stock orders on Form EC10A—or Form EC10 where used for that purpose. It does not apply to prescriptions on Form EC10 to individual patients.

IRISH NEWS

THE NORTH

Associates' Section

MEETING OF COMMITTEE

AT a meeting of the committee of the Associates' Section of the Ulster Chemists' Association, held in Belfast, on November 11, Mr. W. T. Hunter in the chair, the following officers were elected:—*Chairman*, Mr. W. T. Hunter; *vice-chairman*, Mr. W. E. Cooper; *secretary*, Mr. S. Wright; *treasurer*, Mr. R. Holliday; *assistant treasurer*, Mr. H. M. Hamilton; *Northern Ireland Chemists' Benevolent Fund representative*, Mr. J. Kerr; *Joint Council representatives*, Messrs. W. T. Hunter, W. E. Cooper, J. Kerr, J. E. Morley. The chairman welcomed Messrs. W. Steele and N. Appleton on their first attendance as committee members. It was agreed to co-opt to the committee Messrs. J. M. McC. Thompson (a pharmaceutical chemist representative) and J. Johnston (a student representative). Arising from the annual meeting (see C. & D., November 16, p. 529) a letter was read which had been sent to the Pharmaceutical Society of Northern Ireland, asking if a pharmaceutical calendar, which would give a résumé of laws affecting pharmacists, could be published in the near future. Discussion also arose over Mr. A. Templeton's remarks at the annual meeting, that he thought the Section should arrange a training course in cosmetics for all women counter assistants entering the trade. It was agreed to ask the executive committee if they would be interested in starting such a course, and offering all possible assistance. The following applications for associateship were approved:—*Pharmaceutical Chemist*, Mr. G. M. Shaw; *Unqualified Assistant*, Miss M. M. Aicken; *Apprentices*, Messrs. F. W. Compton and R. G. P. McMullan; *Unregistered Assistant*, Miss S. Coulter.



WESTERN IRELAND OFFICERS: Officers for 1957-58 of the West of Ireland Chemists' Association are shown in the illustration. They are: *Seated*, Mr. John P. O'Donnell (vice-president), Mr. George C. Hewson (who presided at the meeting (C. & D., November 16, p. 528) in the absence of Mr. N. A. McKane, newly elected president), Oliver Flannery (joint secretary). *Standing*, Miss P. Flynn (treasurer) and Mr. P. Cassidy (joint secretary).

NEWS IN BRIEF

A WINE licence has been granted by the Home Secretary to Mr. H. S. Dobie, M.P.S., 29 Curzon Street, Maryport, Cumberland.

THE Incorporated Sales Managers' Association presented a "founder's jewel" on November 7 to Mr. Esmé Daniels who founded the Association in 1911.

SALES of Manchester and Salford Co-operative Chemists, Ltd., for the half-year ended September 2, totalled £37,138 compared with £39,315 in the corresponding period in 1956.

WHEN the pharmacy at Horton Hospital, Epsom, was broken into recently, 800 Preludin tablets were stolen, but later recovered, wrapped in an old sock, in a tree some distance away from the pharmacy.

MR. P. Emslie, M.P.S. (superintendent chemist, St. Cuthbert's Co-operative Association, Ltd., Edinburgh) has been appointed Scottish representative on the Co-operative Union's technical panel of chemists.

BURGLARS who broke into the High Street, Godalming, shop of Boots, Ltd., on November 7, left without taking anything: the premises had been previously broken into only two months ago, at the beginning of September.

SODIUM arsenite has been found in the skins of five out of seven samples of potatoes tested by Coventry city analyst (Mr. W. M. Lewis) who has issued a warning to housewives to peel all potatoes before cooking them.

THE foundation stone was laid by the Minister of Health on November 4 at the North Middlesex Hospital, Edmon-ton, London, of a new out-patients' department, on the second floor of which will be a new pharmacy department.

COMMENCING on January 11, 1958, a course of twelve lectures on micro- and semi-microchemical methods in chemistry is being held on Saturdays, 9.15 a.m.-12.30 p.m., at Norwood Technical College, London, S.E.27. The fee for the course is £1. Application forms and further details may be obtained from the college.

THE executive council of the Union of Shop, Distributive and Allied Workers has issued a statement of its opposition to the Government's action in refusing to confirm the National Health Service Whitley Council award (see *C. & D.*, November 9, p. 501).

A DISPLAY of scientific equipment arranged by twenty-three members of the Scientific Instrument Manufacturers' Association was held on the Board of Trade stand at the International Congress and Exhibition of Measuring Instrumentation and Automation, Dusseldorf, Germany, November 2-10.

OF three annual awards which the Joint Industrial Council of the Chemical and Allied Industries is making to the best apprentices in the final City and Guilds examinations in chemical plant operation, the first prize of a gold watch has been awarded to Malcolm George Gell, who served his apprenticeship with Bleasdale, Ltd., manufacturing chemists, York.

TOPICAL REFLECTIONS

By Xrayser

Stilbæstrol

The fact that the Council of the Pharmaceutical Society should again have found it necessary to draw attention to the advice previously offered in connection with the sale by retail of stilbæstrol suggests that there are pharmacists who are not measuring up to their responsibilities. One has known that to be so for, even without an organised approach by the Women Public Health Officers' Association, it has been evident from verbal complaints from doctors, that there are pharmacists who require something stronger than a notice from the Council to bring them into line. It may be that the transgressors are not aware of the ethical significance of a notice urging members not to supply a particular drug unless certain provisions are complied with. On the other hand, it may be that the Society's advice is too indefinite. In the original statement of April 1955, the Council advised its members not to supply sex hormones or their preparations "unless satisfied that the customer was obtaining them on medical advice, though not necessarily on prescription." Surely the only evidence of medical advice is the production of a prescription, and, pending more stringent regulations, the Society ought to say so. It begins with a very solemn statement and then appears to retract, or at least to pull its punches. Let the Council be quite forthright—let it take firm action—and let it clean up any evidence of misdemeanour. The decent pharmacists—and they are the majority—deserve to be protected.

History in the Making

Your report—necessarily abbreviated—on p. 544 of the talk given by Mr. L. J. Chamberlain at the federal meeting at Eastbourne, makes fascinating reading. The author is an enthusiast and succeeds in communicating some of that enthusiasm to his hearers. But why should it be necessary to await a dinner at Eastbourne for the publication of such important material? I do not begrudge the regional organisation their good fortune, but I feel that with a History of Pharmacy Committee in being, some official platform should be given to the publication of some of the material which must have been gathered. There were hints of an evening meeting and of a special session at the Conference, but neither has as yet materialised. We are all indebted to Mr. Chamberlain for his work and his interest. Incidentally, what lies behind "showing many handsome examples"? One imagines them exposed to view on the main table during the dinner and very handsome table decorations they must have made. But when the preliminaries of careful packing and transport from Portsmouth (seventy miles from Eastbourne), are considered, plus the process in reverse, plus the risk of breakage and/or cost of insurance, the debt of the branch to the speaker is seen to be enormously increased.

Drugs Falsely Obtained

Your report on p. 527 in which it is stated that the co-operation of chemists is being sought in connection with prescriptions for a Schedule 4 poison, reveals a serious administrative weakness. A patient has falsely represented to many doctors that she was temporarily resident and requiring treatment with a certain drug and at least fifteen prescriptions are stated to have been issued. This is by no means the first occasion on which a similar method has been used, and it looks as though it is too easy. The fact that the patient is able to name the drug and convince the doctors to write a prescription for that drug is evidence of a good story well told, but some other evidence should be required. It does not seem sufficient to have a charming personality and a convincing manner, and one would have thought that evidence of origin in the form of the original medical card should be demanded, especially when the story calls for a drug of some description. Red tape may be anathema to the people of the country, and no one is likely to demand written proof of "temporary residence" before removing an appendix. But there are limits. People who demand Schedule 4 drugs should be viewed suspiciously.

BRANCH MEETINGS

ROMFORD

Medical Uses of Radioisotopes

AT the Victoria Hospital, Romford, on October 28, DR. J. R. MALLARD (department of physics, Hammersmith Hospital) spoke to members of the Romford Branch of the Pharmaceutical Society on the medical uses of radioactive isotopes. He briefly traced the history of radioactivity, and the theory of atomic structure, then demonstrated the use of the Geiger-Muller counter with various radioactive samples. He described the effects of radiation on various body tissues, and the localisation of isotopes in the body. He detailed the uses of radioactive iodine, bromine, phosphorus, and chromium in the diagnosis of tumours, tubercular meningitis, and myeloid leukaemia. The meeting was attended by members of the medical and nursing staffs of several local hospitals.

STIRLING

The Society's Publications

AT a meeting of the Stirling Branch of the Pharmaceutical Society on October 31, MR. W. K. FITCH spoke on the publications of the Pharmaceutical Society. He dealt with the size, staffing and the responsibilities of the publishing department, together with an outline of the publications for which the department was responsible. The publications department, he said, was a very "live" limb and a source of income for the Society. He stimulated discussion by asking members' opinions on the minimum number of books necessary for the pharmacy reference shelf and on whether the idea of increasing the premises retention fees to cover publications produced over five-year periods would be an acceptable arrangement, it being reckoned that the cost over the five-year period would be about £16. MR. E. E. IMRIE (chairman) presided and a vote of thanks to the speaker was proposed by MR. F. J. LOGAN.

GLASGOW

Double Event

THERE was a double address at a meeting of the Glasgow and West of Scotland Branch of the Pharmaceutical Society held on October 30 under the chairmanship of MR. R. B. BIRRELL. MR. J. D. MAIR (chairman, Pharmaceutical General Council (Scotland)) spoke on "National Health Service Affairs Up-to-Date," and MR. R. M. MCCRONE (a member, Board of Examiners for Scotland) on "Pharmaceutical Education." MR. MAIR said that negotiations for new terms were progressing, and that contractors were already being paid twopence more per prescription, retrospective to September 1, 1956. A new scale of fees would shortly be formulated. It was hoped that the setting up of that scale would result in giving an average dispensing fee which would not fluctuate unduly. A constant check by full pricing of the accounts of certain contractors had proved, he said, that the present averaging system was fair. Discrepancies were invariably due to the careless sorting of bundles. MR.

MCCRONE explained that the Society's Entrance examination was the present Intermediate examination under a new name, but registration as a "student" could not now take place until after passing that examination. He defended the new educational policy of the Council, saying that if pharmacy was to have prestige

and be on a par with other professions it must fall into line with them on education. Questions on N.H.S. matters were asked by MR. W. C. VEITCH, Burnbank, and on education by MR. A. SINCLAIR, Motherwell, MR. D. R. SEL-LAR, Wishaw, MR. I. ORR, Lanark, DR. J. B. STENLAKE, Glasgow, MR. J. SMITH, Hamilton, and MR. J. SUMMERS, Glasgow. A vote of thanks was proposed by MR. A. ROBERTSON, Hamilton.

FESTIVE OCCASIONS

EDINBURGH GOLFERS

Club's Sixtieth Birthday

MEMBERS of Edinburgh Chemists' Golf Club celebrated the Club's diamond jubilee with a dinner held in Edinburgh on November 13. MR. R. R. JEFFREY (captain) presided over a large attendance which included MR. James Finlay, a founder member. In a reminiscing speech, MR. FINLAY said he thought modern golfers carried too many clubs. He suggested that the Club should hold a competition in which members would be limited to five clubs. DR. D. MCCALL proposed the toast of "the Club" and others speakers included Bailie D. M. Weatherstone; MR. A. N. Fleming (vice-captain), and Messrs. J. Liddell, A. Bannerman, R. R. Steedman, G. H. Spittal and T. M. Arthur.

SOUTH-EAST LONDON

Forgotten Worries

BUSINESS worries and the every-day problems of pharmacy were temporarily forgotten when chemists and their friends relaxed at the South-east London Chemists' Association's dance in aid of the Pharmaceutical Society's Benevolent Fund, on October 16. After an interval, during which buffet refreshments were served, a presentation of a canteen of cutlery was made on behalf of the Association by MR. R. W. CROMBIE (chairman) to MR. W. A. HOWARD (general secretary) on the occasion of his forthcoming marriage to Miss Greta French (see C. & D.,

November 9, p. 504). Mr. Howard expressed his thanks to the members of the Association for their generous gift. Dancing was resumed with a snowball waltz, in which Mr. Howard and his fiancée led.

EPSOM AND SUTTON

Solution to a Retail Problem?

PROPOSING the toast to "The Pharmaceutical Society and Our Guests" at the annual dinner and dance of the Epsom and Sutton Branch of the Pharmaceutical Society, on October 30, MR. P. G. KINGSFORD (chairman) expressed concern that so many young pharmacists were lost to pharmacy through the claims of industry and research. He wondered if a reversion to a pre-graduate apprenticeship, although probably reducing the number of entrants, might result in a greater number remaining in the retail and hospital branches of the profession. The pattern of pharmacy was changing and to the manipulative skill of the pharmacist, must now be added a specialised knowledge of the new products which he was called upon to handle. The Society, throughout the years since the granting of its charter had legislated wisely and well for the advancement of the profession. The reply was given by MR. J. C. BLOOMFIELD (a member of the Society's Council). As a result of a competition and the success of the function, £25 was presented to the Pharmaceutical Society's Benevolent Fund.



Bailie D. M. Weatherstone admiring the trophies at the sixtieth anniversary dinner of Edinburgh Chemists' Golf Club. Also in the group are Messrs. J. Gibson, R. R. Jeffrey (captain), Hugh Semple (club champion), A. N. Fleming, A. M. Busby, D. W. Allan, and James Finlay (a founder-member of the Club).



CHIEF GUEST
J.C. BLOOMFIELD J.P.
MEMBER OF COUNCIL

THIS IS EPSOM!
AND I'D RATHER
'TAKE' HORSES
THAN SALTS

P.G. KINGSFORD
CHAIRMAN

C. HEARD
TREASURER AND PAST CHAIRMAN

MISS M.L. KNOWLES
SECRETARY

TO THE ARTIST'S
KNOWLEDGE THE
QUIETTEST REFERS
ONLY TO HER
ACTING ACTIVITIES

M.M. MALLOCH
VICE CHAIRMAN

EPSOM SUTTON AND DISTRICT BRANCH

DINNER-DANCE, Oct. 30th
1957

A.E. BAXTER
PAST CHAIRMAN

E. LATHAM
PAST CHAIRMAN

E. THOMPSON
PAST CHAIRMAN N.P.U. BRANCH

E. GILES
SOCIAL SECTY.

J. WRATHALL
COMMITTEE MEMBER

TO LONDON

HUI

DEATHS

COCKRILL. — At his home in Pearse Street, Clonakilty, co. Cork, on November 11, Mr. Leopold Frederick Cockrill, M.P.S.I. Mr. Cockrill qualified as a pharmaceutical chemist in Ireland in 1920.

COX. — On November 16, Mr. J. H. Cox, secretary, Dalmas, Ltd., Leicester. Mr. Cox had been with the company for over thirty years.

DANIELS. — Recently, Mr. Harry Francis Daniels, M.P.S., 31 Midland Road, Gloucester, a well-known chemist in the city. Mr. Daniels had been for the past thirty years, manager of the pharmacy of W. H. Hampton, Ltd., in Bristol Road, Gloucester. He was apprenticed to S. J. Coley, Ltd., chemists, Stroud, Glos.

DUNCAN. — On November 13, accidentally drowned, Mr. George Dodd Duncan, Alder Grove, Monk-seaton, Northumberland, aged twenty-one. Mr. Duncan passed the Pharmaceutical Chemist Qualifying examination in July.

JOHN. — On October 28, Mr. Owen Beynon John, M.P.S., 40 Sandringham Avenue, Merton Park, London, S.W.20. Mr. John qualified in 1900.

MACCOURT. — Recently, Mr. Joseph Gerard MacCourt, Blanchardstown, co. Dublin. Mr. MacCourt was registered as a registered druggist in Ireland in 1926. He was general secretary of the Polio Fellowship of Ireland.

NOBLE. — In a nursing home at Worthing on November 10, Mr. John George Barrington Noble, M.P.S., 114 Wilberforce Road, London, N.4. A native of South Shields, Mr. Noble had a business in Goswell Road, London, but lost it through air raid damage. Subsequently he was employed for a time by the National Pharmaceutical Union on stocktaking duties. He was the founder chairman, in 1912, of the North Metropolitan Branch of the Pharmaceutical Society. The funeral took place at Islington Cemetery, East Finchley, London, and was attended by Mr. J. Hearle, who was Mr. Noble's founder vice-chairman. Mr. A. W. Castle represented the Pharmaceutical Society and Mr. J. F. Jack (local secretary) represented the National Pharmaceutical Union.

SIDDLE. — On October 31, Mr. Charles Henry Siddle, M.P.S., 4 The Parade, Holders Hill Road, Hendon, London, N.W.7. Mr. Siddle qualified in 1902.

WAKEFIELD. — Recently, Mr. Tom Wakefield, M.P.S., 4 Sycamore Avenue, Golborne, nr. Warrington, Lancs. Mr. Wakefield qualified in 1931.

WHITLEY. — On November 13, Mr. William Owen Whitley, M.P.S., 16 Fore Street, Trowbridge, Wilts, aged seventy-eight. Mr. Whitley was proprietor of Trollopes, Ltd., one of the oldest-established chemists' businesses in the town. He acquired the business about thirty years ago, following the death of Mr. H. E. Trollope to whom he had been assistant for twenty years.

YOUNG. — On November 16, Mr. Alexander Young, M.P.S., 2 Chesser Crescent, Edinburgh, 11. Mr. Young qualified in 1920.

INQUESTS

Four Aspirins at Two Years. — At an inquest at Liverpool on October 11, on a two-year-old child who had taken four aspirins, a doctor made the point that "four aspirin tablets are not a lot, but at the age of two, children are more sensitive to aspirin" than others. The mother said the tablets had been taken from a bottle that had been left on a bedside table. The coroner returned a verdict of accidental death.

Operation Properly Performed. — A verdict of "death from natural causes" was recorded at an inquest at Loughborough, Leics, on October 30, on Mr. Kenneth Pynegar, 46 Knight Thorpe Road, Loughborough. Mr. Pynegar had been in business as a chemist in the town for a number of years and died in Loughborough hospital following an operation. The coroner found that, if Mr. Pynegar had not undergone the operation, he would have died from internal bleeding from an ulcer, and that the difficulty of the operation had been accentuated by the fact that Mr. Pynegar was crippled and had a curvature of the spine. He was satisfied that the operation had been properly performed.

Custody of Sleeping Tablets. — People should be warned not to look after their own sleeping tablets, said the coroner at an inquest at Epsom, Surrey, on September 19. He said he had known many cases where people had taken tablets and then forgotten that they had taken them, going on to take another dose. The inquest was on Mrs. Elizabeth Violet Olden, Roseberry Road, Langley Vale. A pathologist stated that there had been a number of small, repeated doses, rather than one massive single dose, of sleeping tablets. Mrs. Olden's daughter (Mrs. Violet Ryder) of the same address, said that on September 17 she found her mother asleep at 9 a.m.; she was still asleep at mid-day. At 2 p.m. she took her mother a cup of tea and realised that she was sleeping far too soundly. A week previously, said Mrs. Ryder, she had collected a supply of sleeping tablets for her mother. On making a check, she realised that her mother must have taken twenty or more tablets during the week; Mrs. Olden looked after her own tablets. Mrs. Ryder said she was unable to get in touch with the doctor. The next morning her mother was dead, and she telephoned the doctor. A doctor testified at the inquest that he had found Mrs. Olden dead. He had last seen her alive the previous week, when she came to his surgery and he gave her a prescription for fifty tablets, two to be taken at night. The coroner commented that Mrs. Olden seemed to have realised the danger, because she had put two tablets separately in another bottle, but the main supply was unfortunately near at hand. He recorded a verdict of death by misadventure.

BUSINESS CHANGE

THE pharmacy carried on for many years by Mr. F. J. Fitzpatrick, M.P.S.I., 39 Stoneybatter, Dublin, has been acquired by Mr. Francis Dwane, Bridge Street, Cahirciveen, co. Kerry.

COMPANY NEWS

Last year's figures in parentheses

WILLOWS FRANCIS, LTD. — Profit for year to June 30 is £74,066 (£68,724) before tax of £39,984 (£36,833), and dividend 17½ per cent. (same). Current assets £236,960 (£225,030), liabilities £107,246 (£109,366), surplus £103,669 (£80,151), including £31,000 (£29,000) future tax.

EVANS MEDICAL SUPPLIES, LTD. — An interim dividend of two-pence-halfpenny per 5s. ordinary stock unit, on account of the year ending December 31, is declared (against three-halfpence). The increased interim should not be regarded as indicating that the total distribution for 1957 will be higher than for 1956, the directors say.

BARCLAY & SONS, LTD. — Reorganisation of business has resulted in a profit for nine months ended March 31 of £8,126 (loss £56,613, 16 months ended June 30, 1956). During period company acquired two subsidiaries which had large undistributed taxed profits. Income-tax was recovered on those profits and is included in credit of £14,350. A damaged leasehold property in London was sold and the loss on this, of £3,251, is set off against capital reserve. Forward debit £31,844.

GLAXO LABORATORIES, LTD. — The chairman, Sir Harry Jephcott, in a review circulated with the report and accounts for the year ended June 30, states that the sales of the company's products have maintained the upward trend noted in the half-yearly report, and over the year as a whole the consolidated turnover was 23 per cent. higher than in the previous year, an increase approximately double that achieved in 1955-56. Sales in the home market now represent about one-third of the group's turnover, and all sectors showed an increase during the year under review. Exports rose by one-quarter both in value and in volume over the previous year despite little improvement in overseas trading conditions and keen competition which "has intensified in many markets." Whilst the Suez crisis put an end to a substantial business in Egypt, sales in other parts of the area more than offset that loss of business. Proposals for further expansion of manufacture by the company's Indian subsidiary have been approved by the Indian government on condition that the plant required is financed by credit over a term of years; the condition has been accepted. On poliomyelitis vaccine, Sir Harry states that 3½ million doses have been delivered to the Ministry of Health; output is being increased by 50 per cent. but benefits will not mature till the end of March 1958. The researches of the company's biological department are now extended into the veterinary field. On further outlook, Sir Harry points to the many areas of the world in which the fight against disease and malnutrition is still severely hampered by lack of purchasing power. "Great opportunities" await those who meet that challenge successfully. (For accounts see *C. & D.*, October 12, p. 401.)

New Companies

P.C. = Private Company; R.O. = Registered Office

C. A. L. HIBBS, LTD. (P.C.). — Capital £1,000. To acquire the business of a chemist carried on at 551 Cheetam Hill Road, Manchester, 8, etc. Mrs. Marion Hibbs is the first director.

M. & J. PATTERSON & CO. (CHEMISTS), LTD. Capital £2,000. Directors: Maurice Patterson and Jennie Patterson. R.O.: 475 Holyhead Road, Coventry.

E. B. HIND, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing and dispensing chemists, etc. Directors: Edward B. Hind, Lawrence Lightfoot, M.P.S. R.O.: 103 Hendon Road, Sunderland.

GALLWEY HOLDINGS, LTD. (P.C.).—Capital £100. To carry on the business of general merchants, exporters, importers, etc. Directors: Gerald Gobert, Ernest G. Gobert (directors, Gallwey Chemical Co., Ltd.). R.O.: 356 Evelyn Street, London, S.E.8.

AYLWIN JENKINS, LTD. (P.C.).—Capital £2,500. To carry on the business of consulting, analytical and general chemists, etc. Directors: Aylwin R. Jenkins, M.P.S., and Jessie B. Jenkins. R.O.: The Central Pharmacy, 39 High Street, Clydach.

WILLIAMS, LTD. (P.C.). — Registered in Dublin. Capital £5,000. To carry on the business of chemists, druggists, photographers, and opticians, etc. Subscribers: Margaret E. Leonard, Elizabeth Deighan. The first directors are not named.

11 PLUS, LTD. (P.C.). — Capital £500. To carry on the business of manufacturers of and dealers in chemicals, gases, etc. Directors: Thomas W. Carter, Kenneth Rowell, and Henry J. M. Hopkin. R.O.: 37 Haven Green, Ealing, London, W.5.

W. R. DUNN (CHEMISTS), LTD. (P.C.).—Capital £4,000. To carry on the business of wholesale or retail chemists, etc. Directors: Marjorie Dunn, M.P.S., and Charles H. Warriow. R.O.: Room 406, 329 High Holborn, London, W.C.1.

CHEMICAL BUILDING PRODUCTS (MANUFACTURING), LTD. (P.C.). — Capital £1,000. Directors: Raphael Lerner, Robert T. D. Stoneham and Leo. Grahame. Solicitors: Stoneham & Sons, 108A Cannon Street, London, E.C.4.

HEALE (CHEMIST), LTD. (P.C.).—Capital £3,000. To carry on the business of chemists, druggists, etc. Subscribers: John W. Heale, M.P.S., and Sylvia D. Heale. Directors are to be appointed by the subscribers. R.O.: 79 Caerphilly Road, Cardiff.

ALLDAN PRODUCTS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in photographic accessories, etc. Directors: Stanley L. Jordan and Kenneth L. Allinson. R.O.: 246 Kew Road, Richmond, Surrey.

J. A. WILLIAMS (CHEMISTS), LTD. (P.C.).—Capital £4,000. To carry on the business of manufacturing, dispensing and analytical chemists and druggists, etc. Directors: John A. Wil-

liams and Muriel Williams. R.O.: 12 Cranley Parade, Mottingham, London, S.E.9.

ARNOULD ET CIE, LTD. (P.C.).—Capital £100. To carry on the business of training in all branches of beauty therapy, etc. Directors: William H. Grounsell, Malcolm H. Stemp and William E. Arnould-Taylor (director, Electro-Medical Hire, Ltd.). R.O.: 74 New Cavendish Street, London, W.1.

BLOOM'S CHEMISTS (NORTH-ERN), LTD. (P.C.). — Capital £1,000. To carry on the business of wholesale manufacturing and general chemists, etc. Subscribers: Max Bloom, M.P.S., and Celia B. Bloom. The first directors are to be appointed by the subscribers. R.O.: 34 Albion Street, Leeds.

W. C. F. HARRISON (PANTILES), LTD. (P.C.). — Capital £3,000. To acquire the business of chemist carried on by W. C. F. Harrison, M.P.S., 3 Pantiles, Little Heath Road, Bexleyheath, Kent. Subscribers: William C. F. Harrison and Margaretta L. Harrison.

RENE MORRIS PREPARATIONS (ENGLAND), LTD. (P.C.). — Capital £1,000. To enter into an agreement with Leslie W. Bainbridge-Hawker, trading as Rene Morris Preparations and to carry on the business in perfumery, etc. Directors: Marjorie Davidson and Gerard A. W. Heath (director, Gerard Heath, Ltd.). R.O.: 44 Bow Lane, London, E.C.4.

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

MR. PETER THORNEYCROFT (Chancellor of the Exchequer) told Sir W. ANSTRUTHER-GRAY on November 12 that Section 3 of the Cheques Act provided, in effect, that a paid, unendorsed cheque was *prima facie* evidence of the receipt by the payee of the amount for which the cheque was drawn. That put paid, unendorsed cheques in the same position as paid, endorsed cheques. In no other respect had the law relating to the matter of receipts been changed.

Purchase Tax

MR. PETER THORNEYCROFT (Chancellor of the Exchequer) told Mr. V. J. COLLINS on November 12 that he could give no undertaking about when he expected to complete his promised review of purchase tax anomalies. There was no question of consideration being given to the imposition of flat rate of tax.

MR. PETER THORNEYCROFT (Chancellor of the Exchequer) told Dr. H. M. KING on November 19, that it would not really help the trade and industry of Britain if he announced dates for alterations in purchase tax. Mr. G. NABARRO asked the Chancellor whether he was aware that the present rules of the customs and excise authorities with regard to purchase tax provided that all preparations for the promotion of suntan, whether perfumed or not, were subject to purchase tax at 90 per cent., whereas preparations for the prevention of suntan were taxed at 90 per cent. if perfumed, but only to 30 per cent. if unperfumed; and whether, in

LEGAL REPORTS

Delivered Goods to Receiver

FINES of £20 each and costs of £2 2s. each were demanded at Bristol magistrates' court on November 12 of Gerald James Spratt, lorry driver, Bedminster, who admitted stealing a box of tooth-paste and a box of hair curlers from his employers, S.P.D., Ltd.; and of Oliver Cornelius Taylor, proprietor of a general stores at Bedminster, who admitted receiving the goods. Spratt was due to deliver a load of goods to a chemist at Cirencester but took the tooth-paste and curlers back to Bristol.

Vitamin Content Not Stated

At Kettering, Northants, recently, Rayner & Pennycok, Ltd., health-food merchants, Weybridge, were summoned for being a party to the publication of an advertisement for rose-hip toffee without disclosing in the advertisement its minimum content of vitamin C, but included an allegedly false claim that the toffee contained no sugar. The magistrates found both cases proved and imposed fines totalling £23 2s., plus costs. The county public analyst said that he found 63.02 per cent. of sugar. He agreed with the defence that a chemist's definition of sugar would be different from that of the general public. A director of the company said that, the toffee being sweetened with honey, the statement "containing no sugar" meant no refined sugar.

view of the damage which such anomalous and heavy taxation caused to the building up of Britain's export trade in such products, he would arrange for an early review of the matter. Mr. THORNEYCROFT replied that he was examining alleged anomalies in the purchase tax. In that review he would take note of Mr. Nabarro's researches.

Experimental Animals

MR. R. A. BUTLER (Home Secretary) told Mr. T. HARVEY on November 14 that he was not satisfied that legislation making it compulsory for all laboratories and similar establishments purchasing live animals for experimental purposes to maintain adequate records of their purchasing transactions, was necessary. He could find no evidence that the stealing of animals for sale for experimental purposes was widespread.

Drugs for Private Patients

MR. DEREK WALKER-SMITH (Minister of Health) told Sir W. WAKEFIELD, in a written answer on November 18, that to allow people who employed doctors privately to have their drugs on the same basis as those who employed doctors within the National Health Service would require legislation. The proposal raised difficulties, and undoubtedly it would increase the cost of the drug bill. Its implications were being explored with the British Medical Association, but he could not hold out hope of embarking at the present time on a course which must lead to increased expense.

NEW PRODUCTS

Control of Menstrual Irregularities.—G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks, announce the introduction of a new and original therapeutic agent, Enavid, for "specific and usually complete" control of menstrual irregularities. Enavid is issued in bottles of twenty and fifty 10-mgm. oral tablets.

Gonadotrophin Sublabially.—Recent trials with serum gonadotrophin are understood to have indicated its value in the treatment of acne vulgaris when administered by the sublabial route. Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.1, announce the introduction of Gonadyl tablets, each containing 50 international units of serum gonadotrophin for that purpose. The pack is a bottle of twenty-five tablets each containing 50 international units.

TRADE NOTES

Change of Name.—Lactagol, Ltd., London Road, Mitcham, Surrey, state that during December the name of their preparation silicone Vasogen is being changed to Vasogen silicone. The product itself is unchanged.

A Range of Chemicals.—Roy Amin (London), Ltd., 388 City Road, London, E.C.1, are manufacturers of silver nitrate, B.P.; iodine resublimed, B.P., and tablets of isonicotinic acid hydrazide, sulphadiazine, sulphaguanidine, and sulphathiazole.

Replaced.—Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, announce that the manufacture of Lockwood's vitamin-C raspberry natural-fruit-juice health drink has been discontinued by Eastern Counties Preserves, Ltd. In its place a new improved

raspberry juice product, Rubosa, containing a higher concentrate of vitamin C has been introduced at the price of the orange and pineapple flavours.

Making Known an "Economy" Size.—To bring home the saving to purchasers in buying the "economy" size of S.R. tooth-paste, D. & W. Gibbs, Ltd., Hesketh House, Portman Square, London, W.1, have introduced a carton with the standard SR design but with

a "flash" stating "Saves 1s. 5d. compared with the standard size."

New Lipstick Colours.—Henry C. Miner, Ltd., Hook Rise, Kingston Bypass, Surbiton, Surrey, launched on November 18 two new lipstick colours, "pink touch," a "pale, pretty pink that is delightfully flattering to a young face"; and "tender peach," a soft peach-pink for blondes, brunettes and redheads.

MANUFACTURERS' ACTIVITIES

Amateur Dramatics.—Light and amusing entertainment was provided by the Amateur Dramatic Society of Rous-



both real and imaginary of a "grass widower" in New York during a heat wave, was an excellent choice for the occasion. The cast directed by Mr. S. Gould, the producer, are to be congratulated on the high standard of acting. Among those who attended the production were the mayor and mayoress of Hammersmith, together with their deputies, and 100 nurses who were specially invited by the Roussel Amateur Dramatic Society from several of the West London hospitals.

Cash Prizes to Chemists.—The £100 prize offered by International Chemical Co., Ltd., Chenies Street, London, W.C.1, to the chemist who supplied the Kolynos tooth-paste to the grand prize-winner in the company's Kolynos national snapshot competition went to



sel Laboratories, Ltd., 845 Harrow Road, London, N.W.10, when they presented "Seven Year Itch" at the Q Theatre, London, on November 9. The play, which concerns the adventures



DOCTORS' TROPHIES: Winners of the cash prizes in a Doctor's Hobbies competition organised by Bengel Laboratories, Ltd., Holmes Chapel, Ches. Dr. M. E. Gordon, Plymouth, who won the first prize with a pair of violins, is in the centre, flanked by Drs. T. Fletcher, Colne (engineering models), and B. G. Staniland, Newcastle-on-Tyne (ceramic jugs, etc.).

Miss M. Goodall, Huthwaite, Notts. Prizes of £50 each were gained by Messrs. J. E. Fielding, Scunthorpe, Lincs; A. Day, Keighley, Yorks; and F. C. Baines, Chorlton-cum-Hardy, Manchester, 21; and to Boots, Ltd., Kidderminster, Wores. The competition grand prize-winner (Mr. E. H. Lakin, Huthwaite) is seen receiving his £1,000 cheque at the hands of Miss Patricia Dare.

Medical Colour Television.—The enthusiasm shown by the medical profession for medical colour television has prompted Smith Kline & French Laboratories, Ltd., Coldharbour Lane, London, S.E.5, sponsors of the medical colour television shows given at various centres in May, June and July, to order new equipment so that they may continue that service to the medical profession. The equipment used at the earlier shows was American and would not be available again for use in Britain for some time. The new British unit is coming into operation about the middle of 1958. By means of the media it is possible to provide otherwise unobtainable close-up views of "live" surgical and clinical procedures for hundreds of doctors simultaneously.

LONDON MEDICAL EXHIBITION

Many new products launched upon the market

THE London Medical Exhibition was officially opened on November 18 by Sir Bennett Hance (medical adviser to the Secretary of State for Commonwealth Relations). The opportunity was taken by many companies to launch new products on the market. Only such new products are included in the review given below. The exhibition closed on November 22.

Among the new products on show were:—

ARCOFAC, a serum cholesterol lowering agent containing a safflower oil derivative, vitamin B₆ and a mixture of tocopherols for the prophylaxis and treatment of atherosclerosis and allied conditions. Pack: Bottle of 12 fl. oz. (THE ARMOUR LABORATORIES (ARMOUR & Co., LTD.), Eastbourne.)

ARISTAMIDE brand sulphasomidine B.P.C. is of particular value in treatment of urino-genital infections. Available in bottles of twenty-five and 250 tablets and suspension of 4 fl. oz. (HORLICKS, LTD., Pharmaceutical Division, Slough.)

ASTHMA 23-D, anti-asthmatic tablets, each containing: Ephedrine hydrochloride, B.P., 0.005 gm.; theophylline, B.P., 0.025 gm.; dried extract of belladonna, B.P., 0.0075 gm.; papaverine hydrochloride, B.P., 0.005 gm.; phenacetin, B.P., 0.075 gm.; sodium caffeine- α -naphthyl acetate, 0.0175 gm. Pack: Tube of thirty tablets. (Sole distributors in the United Kingdom: SAVORY & MOORE, LTD., London. Manufacturers: CARNEGIES OF WELWYN, LTD.)

BARQUINOL H.C., combines the anti-pruritic and anti-inflammatory effect of hydrocortisone with the antibacterial properties of iodochlorhydroxyquinoline in a water miscible base. Indicated for the treatment of otitis externa, seborrhoeic dermatitis, or wherever infection is complicated by an eczematous or dermatitis reaction. Hydrocortisone is present in 0.5 per cent. concentration, iodochlorhydroxyquinoline in 3 per cent. Pack: 10-gm. tube. (GENATOSAN, LTD., Loughborough.)

BISLUMINA brand bismuth aluminate is presented in tablet form combined with magnesium oxide. Indicated in



Trinuride (Bengué & Co., Ltd.); Sedumax (Calmic, Ltd.); Distaquine V elixir (Distillers Co. (Biochemicals), Ltd.); Genacort (Genatortan, Ltd.); Pulvogen (Genatortan, Ltd.).

cases of gastric and duodenal ulcer and x-ray negative dyspepsias. Pack: Carton of twelve, thirty and dispensing bottle of 250 tablets. (M.C.P. PURE DRUGS, LTD., London.)

BISMUTH SUPPOSITORIES (GABAIL), a new approach to the treatment of tonsillitis by means of organic bismuth in suppository form. Rectal absorption is claimed to be rapid with symptomatic relief within half an hour of administration (1 gr. (adult) and $\frac{1}{4}$ gr. (child) of bismuth et sodii tartras in a bland base). In boxes of six. (THE ANGLO-FRENCH DRUG CO., LTD., London.)

CALCIPEN-V FOR INJECTION, a stable, sterile preparation of calcium penicillin V which, when reconstituted, forms a readily-injectable suspension for intramuscular administration. It is claimed that a single injection of Calcipen-V (equivalent to 300 mgm. of penicillin V) gives peak blood levels after approximately one hour, while therapeutic levels persist for twenty-four hours or more. Packs: Single-dose vials (equivalent to 300 mgm. of penicillin V) and multiple-dose vials (equivalent to 1,500 mgm. of penicillin V). (BOOTS PURE DRUG CO., LTD., Nottingham.)

CANDAMIDE, tablets, each containing 250 mgm. of lithium carbonate. Indicated in manic states. Pack: 1,000 tablets. (CAMDEN CHEMICAL CO., LTD., London.)

CAPSULES GABAIL containing ext. valerian and chloral hydrate are in-

tended for the sedative treatment of psychogenic and stress conditions. Available in tubes of twenty capsules and dispensing pack. (THE ANGLO-FRENCH DRUG CO., LTD., London.)

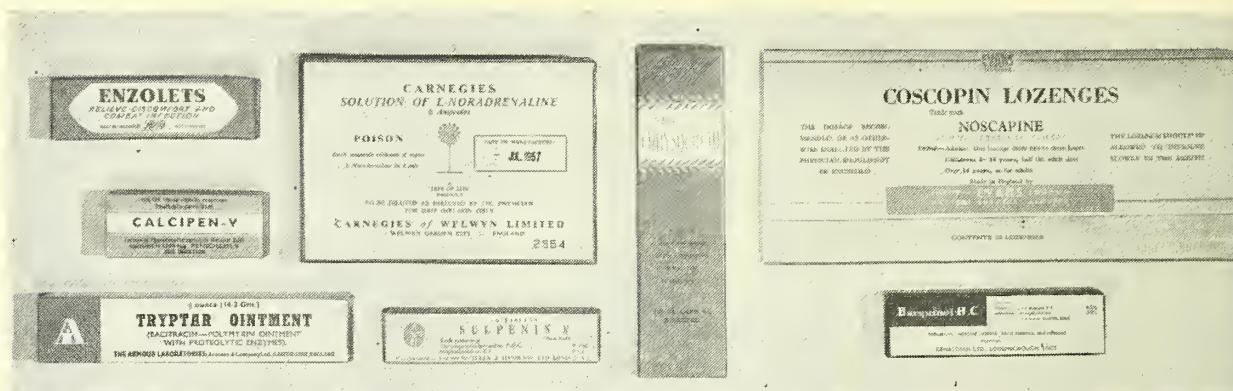
CARBONET, a non-adherent dressing, is made from an open-mesh gauze, impregnated with a water-soluble polyethylene glycol mass. Provides barrier between wound and overlying dressings allowing removal of the dressing without pain or trauma to epithelial and granulation tissue. Absence of medication avoids sensitisation risk. Sterilised in sealed tins of 36 size $3\frac{1}{4}$ in. square dressings and 4-yd. strip, $7\frac{1}{2}$ in. wide. (SMITH & NEPHEW, LTD., Welwyn Garden City.)

CARNEGIES SOLUTION OF L-NORADRENALINE, contains l-noradrenaline as the bitartrate. Each ml contains 1 mgm. of base. Packs: 2-ml and 4-ml ampoules for further dilution; in boxes of six, twelve, fifty and 100. (Sole distributors in the United Kingdom: SAVORY & MOORE, LTD., London. Manufacturers: CARNEGIES OF WELWYN, LTD.)

CHRYSOCREME, a preparation of chrysarobin, B.P.C., for use externally as a powerful stimulant and parasiticide in the treatment of acne rosacea, psoriasis, ringworm of the scalp, pityriasis, tinea circinata or ringworm affecting the skin of the body and limbs. The stimulating effects of Carnegies Chryso-creme are claimed to be demonstrated in the cream's application to certain



Bislumina (M.C.P. Pure Drugs, Ltd.); Englate (A. & G. Nicholas, Ltd.); Orgaine (Organon Laboratories, Ltd.); Durabolin (Organon Laboratories, Ltd.); Sustanon (Organon Laboratories, Ltd.); Ekammon-soluble (Ward, Blenkinsop & Co., Ltd.); Dal-Tocol (Vitamins, Ltd.); Onycho-Phyter (Savory & Moore, Ltd.); Florinef with Graneodin (E. R. Squibb & Sons).



Enzolets (Boots Pure Drug Co., Ltd.); Calcipen-V (Boots Pure Drug Co., Ltd.); Tryptar ointment (Armour Laboratories); Carnegies solution of l-noradrenaline (Savory & Moore, Ltd.); Sulpenin V (Allen & Hanburys, Ltd.); Chryscorene (Savory & Moore, Ltd.); Coscopin lozenges (Evans Medical Supplies, Ltd.); Barquinol H.C. (Genatosan, Ltd.).

types of alopecia, in which successful results are often obtained after other remedies have failed. Pack: Tube of approximately 1 oz. (Sole distributors in the United Kingdom: SAVORY & MOORE, LTD., London. Manufacturers: CARNEGIES OF WELWYN, LTD.)

CORTROPHIN ZN, a fine aqueous suspension of highly potent, highly purified, corticotrophin in zinc hydroxide, for intramuscular or subcutaneous injection. Available in two strengths: 40 and 20 international units per c.c. The product is long-acting and it is claimed that a full adrenocortical response is produced for forty-eight hours (more or less) by a single dose which need seldom exceed 40 i.u., initially. Pack: 5-c.c. vial. The product is being distributed only through the Ministry of Health. (ORGANON LABORATORIES, LTD., London.)

COSCOPIN lozenges each contain 25 mgm. of noscapine (formerly narcotine) which has a specific depressant action on the cough reflex, stimulates the respiratory centre and has mild bronchodilator activity. Available in foil-wrapped prescription packs of twenty lozenges, six to a parcel. (EVANS MEDICAL SUPPLIES, LTD., Liverpool.)

DAL-TOCOL tablets, each containing 200 mgm. of d- α tocopheryl acid succinate (i.e., 242 international units of vitamin E). Suggested clinical uses are coronary artery degeneration, including angina pectoris; congestive failure; peripheral arterial disease and certain dyscrasias of muscle. Packs: 100 and 500 tablets. (VITAMINS, LTD., London.)

DISTAQUAINE V. ELIXIR FORTE, containing in each teaspoonful, 240 mgm. penicillin V. packed in bottles of 2 oz. for reconstitution. (DISTILLERS Co. (BIOCHEMICALS), LTD., London.)

EKAMMON-SOLUBLE, each tablet of which is tangerine-flavoured and contains: Soluble aspirin equivalent to acetylsalicylic acid, 330 mgm. (gr. 5); acetomenaphthone, 0.49 mgm.; and ascorbic acid, 20 mgm. Packs: Containers of fifty, 100 and 300. (WARD, BLENKINSOP & Co., LTD., London.)

ENGLATE, tablets or syrup. Each contains 300 mgm. of theophylline sodium glycinate, equivalent to 150 mgm. theophylline, B.P. The syrup (for children) contains 120 mgm. theophylline

sodium glycinate in each teaspoonful. The product is indicated for the prophylaxis and treatment of asthma. The gastric irritation often caused by theophylline is claimed to be overcome by Englate. Theophylline sodium glycinate is a combination of theophylline sodium with glycinate in approximately equimolecular proportions, to which is added an extra mole of glycine. (A. & G. NICHOLAS, LTD., Slough, Bucks.)

ENZOLETS, tablets each containing tyrothricin, 1 mgm.; benzocaine, 5 mgm. For sore throat and minor infections of the mouth. Pack: Tube of twelve. (BOOTS PURE DRUG CO., LTD., Nottingham.)

FERSAMAL presents iron, in the stable form of ferrous fumarate, in an uncoated, palatable tablet. Each tablet contains 200 mgm. anhydrous ferrous fumarate which provides 60 mgm. of ferrous iron, similar to the ferrous iron content of the conventional 3 gr. ferrous sulphate tablet. Packed in containers of 100 and 1,000. (GLAXO LABORATORIES, LTD., Greenford.)

FLORINEF WITH GRANEODIN, combines a corticosteroid derivative (Florinef, fluorohydrocortisone acetate, (Squibb)) with two antibiotics (Graneodin, neomycin-gramicidin (Squibb)) for co-ordinated anti-inflammatory and prophylactic treatment of dermatological conditions. The ointment is 0.1 per cent. fluoro-hydrocortisone acetate combined with 2.5 mgm. neomycin and 0.25 mgm. gramicidin per gm. of Plastibase (oleaginous ointment base). The lotion is 0.1 per cent. fluorohydrocortisone acetate combined with 2.5 mgm. neomycin and 0.25 mgm. gramicidin per c.c. of an emollient aqueous vehicle. Packs: Ointment: Tube of 5 gm. Lotion: 15-c.c. plastic squeeze bottle. (E. R. SQUIBB & SONS, London.)

GENACORT hydrocortisone lotion, a creamy lotion incorporating spreading agents to increase economy in use. Available in 0.25 per cent. and 0.5 per cent. strengths in 32-mil and 20-mil plastic squeeze bottles respectively. (GENATOSAN, LTD., Loughborough.)

HOSTACAIN SPECIAL is a local anaesthetic with intensive action and rapid onset. A combination of Hostacain phosphate and procaine phosphate it combines the anaesthetic properties of

both. Available in dental cartridges of 1.8 mil. Fifty cartridges are packed in a vacuum jar. (HOECHST PHARMACEUTICALS, LTD., distributors, HORLICKS, LTD., Slough.)

MYSTECLIN V, capsules each containing 250 mgm. of tetracycline hydrochloride and 250,000 units of nystatin, with added sodium metaphosphate. The tetracycline-metaphosphate mixture is claimed to give faster and higher initial therapeutic blood levels and the nystatin to prevent monilial overgrowth frequently occurring during broad spectrum therapy. Packs: Bottles of twelve and 100 capsules. (E. R. SQUIBB & SONS, London.)

NEO-ENDRINE nasal spray or drops. A combination of mephentermine sulphate (vasoconstrictor) and neomycin sulphate, which is indicated for the relief of nasal congestion and as a prophylaxis against infections of the nasal passages. Pack: Bottle of 15 mils. (JOHN WYETH & BRO., LTD., London.)

NICOLANE linctus, a pleasantly-flavoured preparation containing in each teaspoonful 15 mgm. narcotine. The anti-tussive properties of narcotine are claimed to be greater than, or at least equal to, those of codeine, while, unlike the latter, narcotine is also effective in suppressing cough associated with allergic conditions such as hay fever. Pack: Bottle of 4 fl. oz. (A. & G. NICHOLAS, LTD., Slough.)

NOBECUTANE REMOVER contains acetic esters in water-miscible base. Dissolves Nobecutane film and with water forms an emulsion which may then be washed off the skin. Available in collapsible tubes containing 50 gm. (EVANS MEDICAL SUPPLIES LTD., Liverpool.)

ONYCHO-PHYTEX is a 9.92 per cent. solution of borogallic acid (borotrixybenzoic ester) in ethyl acetate and alcohol. Compared with Phytex, it possesses a much higher penetrating action which is very important to combat fungi in the depth of the keratine layers of the nails and their surroundings. Indications: All mycotic infections of the nails. Pack: Bottle of 15 c.c. (Sole distributors in the United Kingdom: SAVORY & MOORE, LTD., London. Manufacturers: WYNLIT PHARMACEUTICALS, INC.)



Tabalgin (West Pharmaceutical Co., Ltd.); Arcofac (Armour Laboratories); Nicolane (A. & G. Nicholas, Ltd.); Englate (A. & G. Nicholas, Ltd.); Welldorm (Smith & Nephew (Pharmaceuticals), Ltd.). Above, Carbonet (T. J. Smith & Nephew, Ltd.).

ORGRAINE, a treatment for migraine containing in each tablet: ergotamine tartrate, 1 mgm.; caffeine, 100 mgm.; hyoscyamine sulphate, 0.0875 mgm.; atropine sulphate, 0.0125 mgm.; and phenacetin, 130 mgm. Packs: Boxes of ten and 100. **ORGANON LABORATORIES, LTD.**, London.)

PENICILLAMINE is obtained by the controlled degradation of penicillin and is issued as the hydrochloride of the d-isomer. Produced to assist in clinical investigations of hepato-lenticular degeneration it is available for hospital use only in bottle of 100 capsules. Each capsule contains 150 mgm of penicillamine hydrochloride. (**DIS-TILLERS CO.**, (BIOCHEMICALS), LTD., London.)

PHYTEX is a 10.92 per cent. solution of borogallic acid (borotrioxibenzoic ester) in ethyl acetate and alcohol. Indicated in the treatment of dermatomycoses. Pack: Bottle of 15 c.c. (sole distributors in the United Kingdom: **SAVORY & MOORE, LTD.**, London. Manufacturers: **WYNLET PHARMACEUTICALS, INC.**)

PRESUREN which is presented as a powder in vials containing 0.5 gm. or 1 gm. dry substance, is reconstituted for intravenous anaesthesia by the addition of physiological sterile saline solution warmed to body temperature. Presuren is 21-hydroxy-pregnane-3, 20-dione which has been rendered water soluble by esterification with succinic acid. It is primarily intended for use in the anaesthesia of the "poor risk" patient. (**PHARMACEUTICALS (LONDON), LTD.**, London.)

PULMODRINE SYRUP, an expectorant for adults and children containing guaiaicol, glyceryl ether, 50 mgm.; N-methyl ephedrine hydrochloride, 0.5 mgm.; cherry flavoured syrup, to 4 mls. Packs: Bottles of 4, 40 and 80 oz. (**MEDO-CHEMICALS, LTD.**, London.)

PULVOGEN ichthammol dusting powder, a highly absorbent, non-staining, antiseptic dusting powder for the treatment of napkin rash, bed sores, chicken pox spots, etc. Pack: Sprinkler tin. (**GENATOSAN, LTD.**, Loughborough.)

SALIMED COMPOUND, an anti-rheumatic and analgesic tablet containing salicylamide, 250 mgm.; mephensin, 250 mgm.; amylobarbitone, 30 mgm. and amino-acetic acid as a buffering agent. Packs: Twenty-five, 100

and 250. (**MEDO-CHEMICALS, LTD.**, London.)

SEDUMAX provides sedation (carbromal and bromvaletone 120 mgms.) with analgesic action (phenacetin, 180 mgms. augmented by the inclusion of aneurine hydrochloride (2 mgms.). Packs of fifty and 300 tablets. (**CALMIC LTD.**, Crewe.)

SULPENIN V, tablets each containing, penicillin V, 90 mgm.; and sulphadimidine, 0.5 gm. The product replaces Sulpenin. Packs: Tube of ten and bottle of 100. (**ALLEN & HANBURY, LTD.**, London.)

SUSTANON, an oily solution of testosterone esters for intramuscular injection. The preparation acts immediately and over a prolonged period of time. Indications: inoperable cancer of the breast, chronic mastitis, male climacteric, endometriosis (pre-operatively); eunuchism, eunuchoidism, male hypogonadism, fractures (delayed union), intermittent claudication, mammary fibroadenosis. The product is obtainable in two strengths. Sustanon 100 contains in each c.c., testosterone propionate, 20 mgm.; testosterone phenylpropionate, 40 mgm.; testosterone isocaproate, 40 mgm. Sustanon 250 contains in each c.c., testosterone propionate, 30 mgm.; testosterone phenylpropionate, 60 mgm.; testosterone isocaproate, 60 mgm.; and testosterone decanoate, 100 mgm. Packs: Boxes of one or three 1-c.c. ampoules in either strength. (**ORGANON LABORATORIES, LTD.**, London.)

TABALGIN contains 0.5 gm. N-acetyl-p-aminophenol in each tablet. Analgesic and antipyretic. In bottles of 100 and 500. (**WEST PHARMACEUTICAL CO., LTD.**, London.)

THIORUBROL is a red, oily liquid containing 4 per cent. of active sulphur. It has been used extensively in Switzerland to counteract staphylococcal skin diseases in new-born infants. Distributors: **M. & R. NORTON LTD.**, London. Manufacturers: **WOLO, LTD.**

TRAL, a new anticholinergic. Chemically the product is N-(β -cyclo-hexyl- β -hydroxy- β -phenylethyl)-N-methylpiperazine methosulphate (hexo cyclium Abbott). The product is indicated in the management of the peptic ulcers and gastro intestinal disorders associated with hyperacidity, hypermotility and certain spastic conditions. The product is presented as film tablets containing 25 mgm., packed in a bottle of 100. (**ABBOTT LABORATORIES, LTD.**, Perivale.)

TROPENAL tablets, each containing aneurine hydrochloride B.P., 5 mgm.; riboflavin, B.P., 5 mgm.; pyridoxine, B.P.C., 2 mgm.; nicotinamide B.P., 15 mgm.; ascorbic acid, B.P., 50 mgm.; phenobarbitone, B.P., 16 mgm. The preparation contains a normal therapeutic dose of phenobarbitone with adequate therapeutic doses of the B complex and ascorbic acid, to avoid toxicity. The product is indicated in the epilepsy, alcohol withdrawal and anxiety states and insomnia. Packs: 100 and 500 tablets (**VITAMINS, LTD.**, London.)

TRINURIDE, an anti-epileptic product consisting of phenylethylacetylurea. Indicated in all manifestations of epilepsy, the product is particularly useful in controlling grand mal and temporal lobe epilepsy. Pack: 100 and 500 tablets. (**BENGUE & Co., LTD.**, Wembley.)

TRYPTAR ointment, contains Tryptar crystalline trypsin, and the anti-inflammatory action of chymotrypsin with bacitracin and polymyxin B sulphate Ointment indicated in indolent and decubitus ulcers, thermal and chemical burns, infected wounds and otitis externa. Pack: $\frac{1}{2}$ oz. tube. (**ARMOUR LABORATORIES (ARMOUR & Co., LTD.)**, Eastbourne.)

VANDID, an analeptic containing vanillic acid diethylamide in the form of ampoules, oral solution and tablets. Indicated in cases of poisoning by barbiturates, coal gas, alcohol, morphia and anaesthetic accidents; for circulatory support during infectious diseases, pneumonia, influenza and in convalescents who are liable to orthostatic collapse; and for cardiorespiratory stimulation in cases of neonatal asphyxia and cyanosis whether the baby is full term or premature. Packs: Ampoules (containing 5 mls of a 5 per cent. solution): Box of six ampoules. Oral solution: Dropping bottle (containing 15 mls of a 5 per cent. solution. Tablets (each containing 20 mgm.): Tube of twenty. (Sole distributors in the United Kingdom: **SAVORY & MOORE, LTD.**, London. Manufacturers: **CARNEGIES OF WELWYN, LTD.**)

WELLDORM, a non-habitual sedative closely related to chloral hydrate. Chemically it is dichlorophenazone. Each tablet contains 10 grs. The product is claimed to induce drowsiness within fifteen minutes of administration, and to be safe for children and the elderly. Packs are containers of twenty-five and 250 scored tablets. (**SMITH & NEPHEW (PHARMACEUTICALS), LTD.**, Welwyn Garden City.)

AMERICAN PHARMACY'S VITAL STATISTICS

P.A.T.A. secretary reports on his transatlantic tour

THE secretary of the Proprietary Articles Trade Association (MR. H. E. CHAPMAN) gave an account to his Council and guests of the Association on November 15 of his recent visit to the United States and Canada at the invitation of the National Association of Retail Druggists. The prime purpose of his visit had been to attend the convention of the Association, he said, and he therefore began by describing its structure and scope. Members of the N.A.R.D. were drawn from all States of the Union. They paid a minimum annual subscription of £4 4s., plus an extra £2 2s. for each additional pharmacy. Of that subscription 14s. was allocated as a donation to the Dargavel Foundation, and ("as a book-keeping transaction") 24s. was allocated to the Association's journal (circulation 45,000).

The N.A.R.D. rendered its members services comparable with those provided to proprietor pharmacists in Britain by the National Pharmaceutical Union. It had a reserve of over \$1 million, and its executive secretary (Dr. Dargavel) had been mainly instrumental in building up membership from less than 14,000 in 1933 to its present total of 36,000. At this year's convention at Minneapolis there were about 3,000 members present making, with their ladies, 5,000. Business started on October 7 with the formal opening of a "drug show," followed in the afternoon by a joint conference of officers of State and local associations and members of fair-trade committees. The following day (Tuesday) the convention was given a formal welcome by the State Governor and by the city mayor, followed by presidential address and secretarial report; during the week there were other addresses by senators and congressmen.

The drug show Mr. Chapman described as a "larger-than-life Chemists' Exhibition." It was organised by the Association's executive and was profit making. He understood that exhibitors paid from £105 to £260 for a stand, and there were nearly 250 stands this year. Every convention member was urged to make it his duty to visit all the exhibits and to take time to discuss problems of distribution with the representatives of the distributors.

Multiples and Independents

Mr. Chapman went on to give facts about the condition of retail pharmacy in the United States. In a population of 175 million there were 125,000 registered druggists, with 54,000 pharmacies. The largest of many multiple concerns was Walgreen's (with 500 branches). There were forty-eight State pharmaceutical associations, plus one for the District of Columbia. Against the Association's 36,000, the American Pharmaceutical Association (the professional body) had 16,000 members. He gathered that the turnover of a representative independent druggist ranged from £32,000 to £48,000 a year. The proprietor's "personal salary" would

be about 8 per cent. of gross turnover; after taxation he would be left with about 5½ per cent.

Inflation was serious in the United States, as in Britain. Dr. Dargavel, in his address to the Convention had said "inflation is on the march, and the dollar now stands at 48 cents . . . compared with 100 cents in 1939." One quarter of the total of independent retail druggists in 1956 had ended the year "in the red" or earned less than 2 per cent. of sales. About 24 per cent. closed the year with a net profit below 5 per cent. In spite of varied merchandise (fancy goods, cigarettes and tobacco, soda fountains, sometimes wines and spirits) dispensing remained an important feature of most pharmacies. The number of prescriptions varied from pharmacy to pharmacy, but 100-130 a day might be taken as an average. Various druggists with whom he had discussed the prescription charge seemed agreed that \$2.50 (17s. 6d.) was about the average.

Rates of Pay

A chief pharmacist might earn as assistant \$175 (£60) a week, and the lowest rate was \$125 (£43). The turnover of a pharmacy paying the £60-a-week rate would be around £120,000 a year. The Union rate for an unqualified assistant ("counter clerk") was £20 a week minimum. The profit margin on proprietary medicines was up to 33½ per cent., and on fair-trade items that was a minimum, some items yielding 40 per cent., the rate for many "ethicals." The sort of competition the American druggists had to face was shown by the sale, during a period in which \$235 million worth of vitamin products was sold in pharmacies, of

vitamin products to the value of \$35 million by door-to-door traders.

About 300 "service wholesalers" were members of the National Wholesale Druggists' Association and, of those, 216 participated in a cost-and-profit study published annually by the Association. Since 1951 service wholesale druggists had increased their sales at a faster rate than wholesalers in any other line of business. The wholesalers' usual margin on pharmaceuticals was 20 per cent. or more; the minimum was 16½ per cent.

Canadian Interest

Dealing next with the Canadian part of his tour, Mr. Chapman said that a meeting he attended at Toronto on October 16 had been organised by the Canadian Pharmaceutical Association. It was held at the hotel at which Sir William Glyn-Jones had attended meetings thirty years previously, and there were present representatives of manufacturers and wholesalers as well as retail pharmacists. The audience proved keenly interested in the report he gave of the price maintenance position in Britain in recent years, and particularly of the way in which the P.A.T.A. had adapted itself to the new legislation. At the end of the meeting he was asked to send copies of the Restrictive Trade Practices Act and an explanation of its provisions to at least six representatives of manufacturing, wholesale and retail organisations. He gained the impression that their interest in section 25 of the Restrictive Trade Practices Act arose from the hope that the present Canadian Government might be induced to make some amendment in the existing law, which provided no redress whatsoever against price cutting.

SELLING IN EUROPEAN MARKETS

Committee to help members on free-trade problems

SPEAKING at a luncheon of the Incorporated Sales Managers' Association in London on November 7 as the new chairman of the Association, MR. ARNOLD LUCAS (a director of Smith & Nephew, Ltd., Welwyn Garden City, Herts) dealt with the reaction of the Association and its members to the proposals for a European free-trade area.

Mr. Lucas said that what members wished him to say on their behalf had become obvious from their reactions to the Association's recent Conference on that subject, held so successfully in London. They wanted him to say that the sales managers of British industry had their eyes—their ears and minds too—open to what was happening in Europe. Sales managers recognised the challenge; they agreed that the choice lay between risk and risk, and that there was no place for "playing safe."

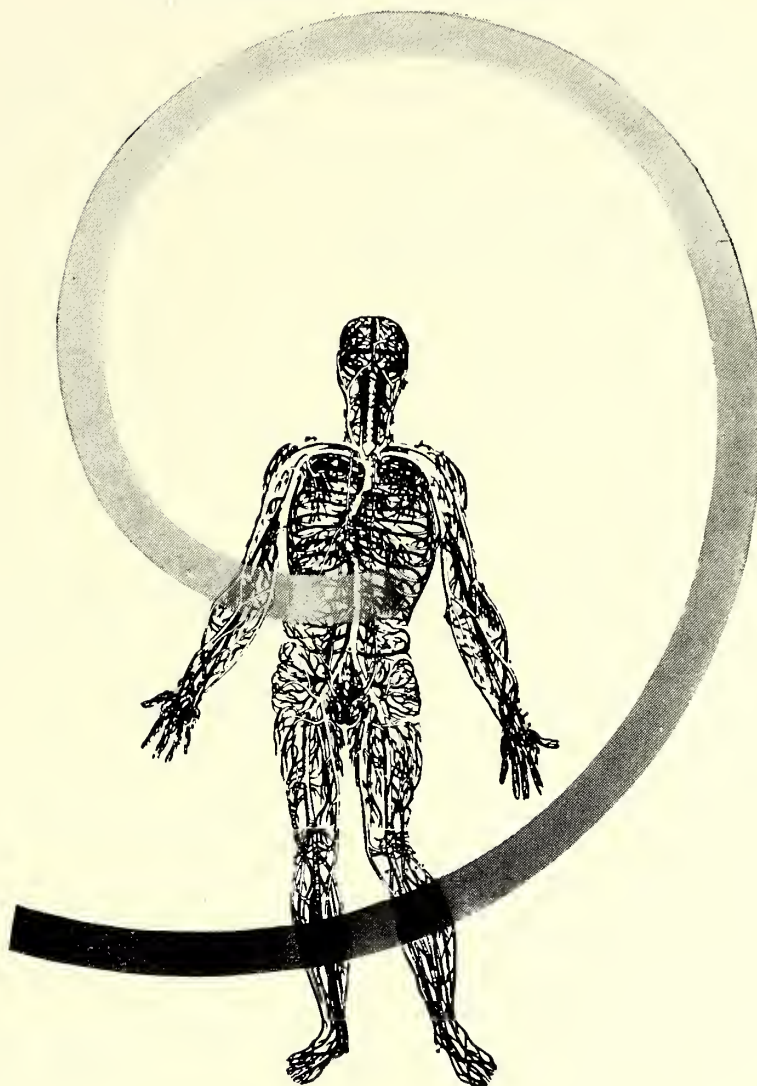
He had become convinced that his first task as chairman would be to see that the Association provided members with the facilities for exchanging ideas and information on that "momentous, dominating" topic. There was a move-

ment afoot in Europe to remove many of the political and nationalistic brakes that had held down industrial development.

A Job of Selling

All industrial change was in some degree painful. Not all the people concerned could be expected to welcome it unless the need for it was explained to them. If a sales manager believed that he would be recommending changes that would affect the production unit, then there was a job of selling to be done on the factory floor. Sales efficiency must be considered in terms of a "vastly bigger and more varied home market." Getting the product and prices right was only one side of the problem. Another was to build up the right kind of sales effort for the different regions in the area.

Mr. Lucas closed by inviting members with problems of communicating information and ideas to the work-people in their own companies to seek the help of the Economic Policy Committee which the Association had set up.



unrivalled speed of absorption

For rapid absorption Chloromycetin* is unique among present-day antibiotics. Effective anti-bacterial levels at most sites of infection can readily be obtained by oral administration.

As blood-levels may conveniently be adjusted to control any grade of infection,

Chloromycetin therapy produces swift response, and the duration of treatment is, therefore, reduced. The completeness of absorption also lessens the possibility of gastro-intestinal upset.

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*effective against
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Mictine

The Effective Oral Diuretic

"Mictine" is indicated in the maintenance of an oedema-free state in any patient requiring diuretic therapy and the effecting of initial diuresis in all patients but those with severe congestive failure. For these purposes the dosage is one to four tablets daily in divided doses *during meals* on alternate days or on three successive days followed by four days without therapy. "Mictine" is not intended to produce initial diuresis in more severe congestive failure, however, "Mictine" may be given when other diuretics are contra-indicated, or if tolerance to them has developed.



*With no
Known
Contra-indications*

"Mictine" is obtainable in bottles of 25, 100 and 500 tablets, each tablet containing 200 mg. aminometradine.

Retail Prices :

25	100	500
19/7	73/4	340/-

Trade terms 33 $\frac{1}{3}$ %

Order through your Wholesaler

SEARLE

G. D. SEARLE & CO., LTD.
HIGH WYCOMBE, BUCKS. Tel.: High Wycombe 1770

MI : T106

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Pharmacists and TV Advertising

THE advertising advisory committee of the Independent Television Authority has ruled (see p. 551) that in television advertising it should not appear that a pharmacist is recommending medicines and treatments or even products claimed to be "beneficial in case of illness."

The decision is unquestionably right. The public must be protected against supposing that a product is recommended with the backing of a profession, and the Authority has recognised that the practice of pharmacy in shops has at any rate a professional element.

The question inevitably arises at the present time how the ruling will affect the proposed extension of the National Pharmaceutical Union's present television advertising scheme to the medicinal field.

A final answer would, of course, depend upon the form that such an advertising scheme might take. If a manufacturer were footing a part of the bill, his product or products would be expected to appear in the advertisements and the "pharmacist," if he appeared in the programme, would certainly not be there to disparage the manufacturers' wares. Even his presence would be a tacit recommendation.

A question of principle is involved. One of the marks of a profession is personal service between practitioner and client, and neither an individual advertiser nor any body of pharmacists acting collectively should sophisticate that relationship by the kind of advertising which makes it appear that a "pharmacist," symbolising pharmacists in general, is recommending a product to all and sundry.

Other aspects of the question are (1) whether such advertising is going to redound to the long-term good of pharmacy if, within the retail side, sections were competing with one another for the public's patronage, each making or implying that it provides better service (perhaps even cheaper goods), and (2) what happens when pharmacies are not the only outlet for pharmaceutical goods? May not others be prompted to retaliate?

The present campaign of the National Pharmaceutical Union must be regarded as itself in the nature of a retaliation against a multiple concern for an advertising campaign that might have left the independent proprietor helpless to compete. There was no doubt some feeling behind it that the Ethical Committee of the Pharmaceutical Society appeared powerless to impose professional standards on the company chemists, and that the only action possible in the circumstances was a direct challenge. It is possible to regard the selling of

cosmetics in isolation from the pharmacist's professional work, and from that point of view the actual programme shots so far as we have seen them are harmless enough. But before the scheme is extended, as has been proposed, to the medicinal sphere, there should be much closer consideration of underlying principles and of possible repercussions that may not have been obvious at first look.

Towards Freer Trade in Europe

ON the eve of the first meeting of the Organisation for European Economic Co-operation's free-trade area committee in Paris, on November 14, the grand council of the Federation of British Industries declared itself in favour of participation (subject to certain safeguards) by the United Kingdom in the proposed free-trade area. The "safeguards" that will be needed before final settlement may well be the subject of long and heated arguments between the United Kingdom representatives on one hand and representatives of France, Italy, Western Germany and the Benelux countries on the other. The six countries mentioned have already agreed in principle to form a Common Market, that is a customs union, with free trade among themselves and a uniform tariff system against the rest of the world.

British industry, it will be remembered (*C. & D.*, November 10, 1956, p. 503) was asked through the F.B.I. to give its views on the question of forming a trading area in which trading facilities existed similar to those expected in the proposed Common Market. The results of the first census showed that British industries generally, including chemical and pharmaceutical industries, favoured participation. Support, however, was given with some trepidation, the decision apparently being motivated by fear of what might happen if they were left out were the Common Market established. Since the time of the first census a considerable amount of discussion on the problem has taken place among chemical manufacturers (as in other sections of industry). That there are many difficulties to be overcome to make the plan workable is agreed; the object of the present talks in Paris is to try to find ways of overcoming those difficulties. The outcome of the talks must be awaited before even a hazy picture of the future can be drawn. One thing is certain—concessions will have to be made by all countries if the plan is to succeed.

Meanwhile the British Government has announced its intention to revise and modify existing legislation relating to import duties (*C. & D.*, November 9, p. 505) in a new Bill to be put before Parliament. The Bill is not intended to change present rates of duty, though it is expected to contain powers for changing such rates in the future. A new statutory body, the Import Duties Board, is being formed to assist the Board of Trade by investigating and reporting on the facts relating to applications for changes in import duties. A new tariff is being introduced, under which existing import duties are, in general, being reimposed in "Brussels Nomenclature" form so soon as the Act comes into force. The reasons for the change have not yet been given, but are undoubtedly aimed at simplifying tariff rates if and when the European Free-trade Area begins to function.

For those who are interested in the taxation systems at present operating in European countries, the F.B.I. has prepared a useful report (see p. 564). Differences in

taxation rates must be one of the subjects to be ironed out at the Paris and subsequent meetings.

Harbinger of 1958

THE first copies of the *C. & D. Diary and Year-book*, 1958, are now going out to subscribers, and distribution should be complete by about December.

This year the literary contents, so far as the non-recurrent features are concerned, show a bias towards the business side.

An "Accounts System for Chemists" brings up to date a system outlined by a chartered accountant and first published in *THE CHEMIST AND DRUGGIST* a year or two ago. "Goodwill" is a concise and lucid explanation of principles to be applied in arriving at a value that is specially difficult to assess yet vitally important to estimate accurately in the present state of the market for pharmacies. "Taking Stock" gives the benefit to chemists, whether they do their own stocktaking or—perhaps more sensibly in the conditions of today—employ outside assistance, of many years' whole-time practice by a professional stocktaker. To go with them, the article on "Tax Assessment on Businesses," first given last year, is repeated.

Principal new professional feature is a five-page table listing the presentations and indications of all the proprietary cortisone, hydrocortisone, prednisone, prednisolone and fluorohydrocortisone preparations on the market at September 1957, together with proprietary preparations containing any of those corticosteroid compounds admixed with other substances. In this way the *C. & D.* adds another to its many past services in sign-posting for pharmacists groups of medicaments among which it would otherwise be only too easy to lose one's way. A characteristic of the series is that, though apparently simple in result, they have each involved long, concentrated and meticulous care in preparation.

The usual directory lists appear with their usual completeness and up-to-dateness. The aim is, of course, 100 per cent. accuracy, a goal that for various reasons is never achieved, though some of the lists fall little short of perfection. With others, such as the list of hospital chief pharmacists of the upper salary grades, the difficulties of attaining completeness become more acute as the percentage rises. Having exhausted, as we think, other published sources of such information, and enlisted the help of secretaries of branches of the Guild of Public Pharmacists, we are eventually forced back on hoping that chief pharmacists omitted from the list will write and tell us so. That they do in ones and twos. We hope they will continue to do so and in greater numbers until all the gaps are made good.

The advertisement pages, informative as always, this year show an even greater trend towards the use of colour than in previous years. The Trade Directory and Buyers' Guide continue to be without peer as a source book for trade users.

Made to Measure

THE medical profession's challenge to pharmaceutical manufacturers to produce literature to a standard size for convenient filing has been taken up by one company (p. 551). Over the years irate doctors have produced, trophy-like, at Executive Council meetings and on other suitable occasions as indication of wastefulness, batches of such literature, weighed, wrapped, counted or simply

bundled and, they say, ordinarily consigned to the waste-paper basket. Modern typography, attractive layout and colourful printing have availed manufacturers little in arresting a diminishing impact on intended medical readers, more or less in direct proportion to the volume dispatched. In recent years sheer volume has been the downfall of much well produced material. What the busy practitioner asked for was a standard reference card from which to build a library of information on drugs in current use, and an article in the Supplement to the *British Medical Journal* dated July 13 forcibly stated the requirements. Its author (Dr. J. D. W. Whitney) envisaged a scheme administered by a "respected independent body of the pharmaceutical industry and financed by firms who take part in it." The present venture, though not part of any such overall plan, does adhere fairly closely, in size and format, to Dr. Whitney's proposals. The information on the cards (sized 7½ by 5 in. to match the N.H.S. medical record cards) is concise and clearly displayed. The sub-headings include formula, action, indications, use, dosage, packing and basic N.H.S. cost. Suggested improvements notified to the company by doctors seem to indicate that the changed presentation has been appreciated. It has undoubtedly brought prestige to the company concerned. Other firms may now feel less hesitation in following suit, bearing in mind that freedom from participation in any central scheme ensures to them the liberty to supplement the standard card with more eye-catching literature should that be felt necessary.

NEW BOOKS

Quantitative Pharmaceutical Chemistry

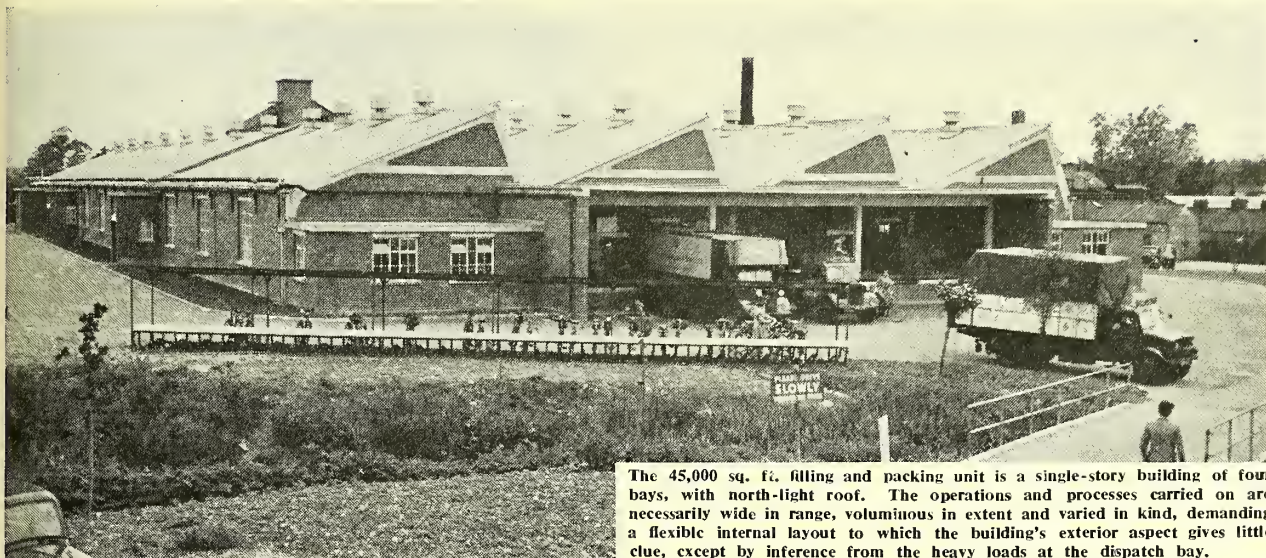
GLENN L. JENKINS, PH.D., JOHN E. CHRISTIAN, PH.D., and GEORGE P. LAGER, PH.D. *McGraw-Hill Publishing Co., Ltd.*, 95 Farringdon Street, London, E.C.4. Fifth edition. 8 x 5½ in. Pp. xviii + 552. 64s.

THIS new (fifth) edition incorporates changes indicated to make the procedures and discussions conform with the revised methods given in the United States Pharmacopœia XV and [U.S.] National Formulary X. The edition presents, in the section on physicochemical methods of analysis, completely new chapters on chromatography and radioactivity. New experiments have been added, and all tables have been revised. Additional space has been devoted to problems and questions.

Taxation in the Proposed European Free Trade Area

Federation of British Industries, 21 Tothill Street, London, S.W.1. 8½ x 5½ in. Pp. 156. 20s.

THE various forms of taxation adopted in the countries that are to form the proposed European Common Market and Free-trade Area have been collected from the individual federations and embassies of those countries, and brought together in this report by the Federation of British Industries. The countries covered are Austria, Belgium, Denmark, Finland, France, Federal Germany, Italy, Netherlands, Norway, Sweden and Switzerland. No attempt has been made to compare the taxation borne by similar firms and industries in each country, as that is considered impossible by reason of the absence of a reliable basis for calculation. Yet lessons may be drawn from the structure of the systems in operation, since that determines the weight of taxation, and gives guidance to the extent to which taxes may influence the conduct of a business. The various taxes directly affecting business in the countries covered by the report are grouped into five categories, as follows: Taxes based on income or profits; taxes based on capital; taxes based on sales or turnover; taxes or contributions based on payroll or numbers of employed; and local taxes. A brief synopsis of the present United Kingdom tax structure is also included.



The 45,000 sq. ft. filling and packing unit is a single-story building of four bays, with north-light roof. The operations and processes carried on are necessarily wide in range, voluminous in extent and varied in kind, demanding a flexible internal layout to which the building's exterior aspect gives little clue, except by inference from the heavy loads at the dispatch bay.

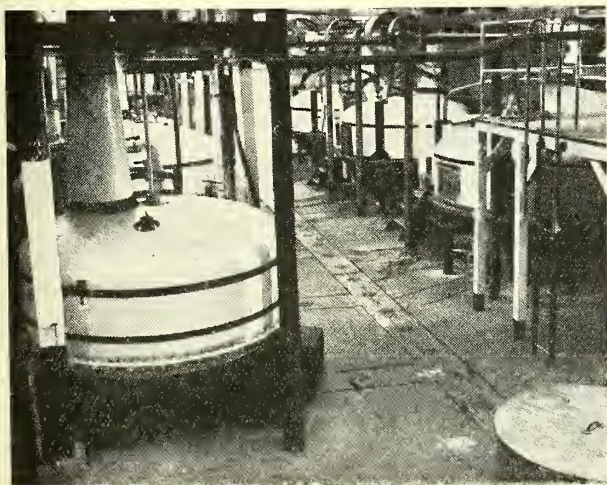
A FACTORY FAR FROM A TOWN

The story behind the 45,000 sq. ft. packing hall at the Long Melford, Suffolk, factory of Stafford Allen & Sons, Ltd.

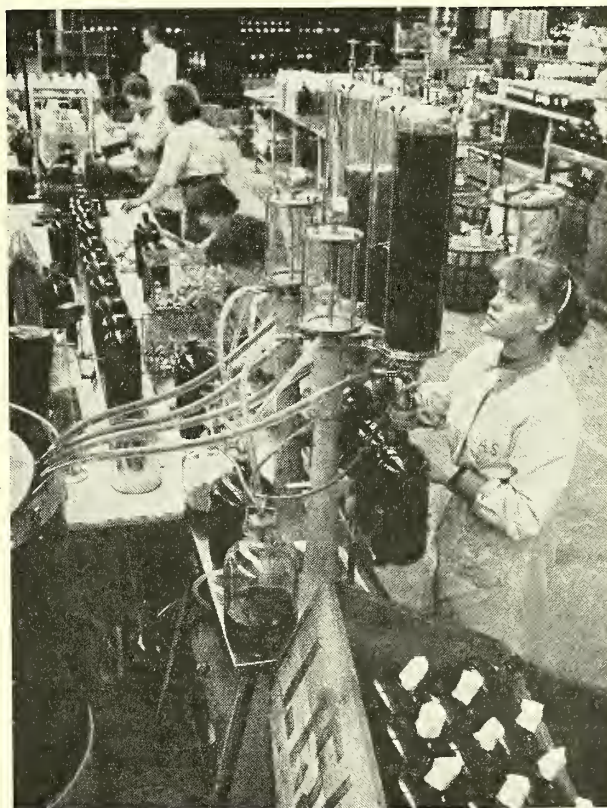
EXPANSION of the activities of Stafford Allen & Sons, Ltd., during the past ten years beyond the space and recruitment capacity of the company's headquarters premises at Wharf Road, London, N.1, led the company to develop their factory at Long Melford, Suffolk. The outcome is a modern factory tucked away in the depths of rural England—so much intermingled with the company's herb-farming activities, in fact, that a tractor drawing fertiliser for the fields may well pass through the factory yard to reach its goal, while within hearing distance at feeding times are the Large White pigs that have won for the company scores of first awards at agricultural shows.

Of a number of new buildings erected within recent

months the most outstanding, both for its size and for the range of activities carried on there, is a filling and packing hall occupying 45,000 sq. ft. A second building, given over to bottle washing and container storage, occupies 15,000 sq. ft. of floor area.



In skill and know-how of the processes of extraction and distillation, Stafford Allen & Sons, Ltd., are in the class of world leaders. To see at Long Melford, hall after hall containing batteries of stills, extractors, percolators, all in evident use, and then to be shown immense storage vessels, not in ones and twos but in dozens, is to believe the paradox that the modern trend to synthetic medicaments has brought no halt in the continued expansion of the company's galenical production. At home, fewer competitive manufacturers may be a factor. Overseas, the sheer quality of the products wins and holds markets.

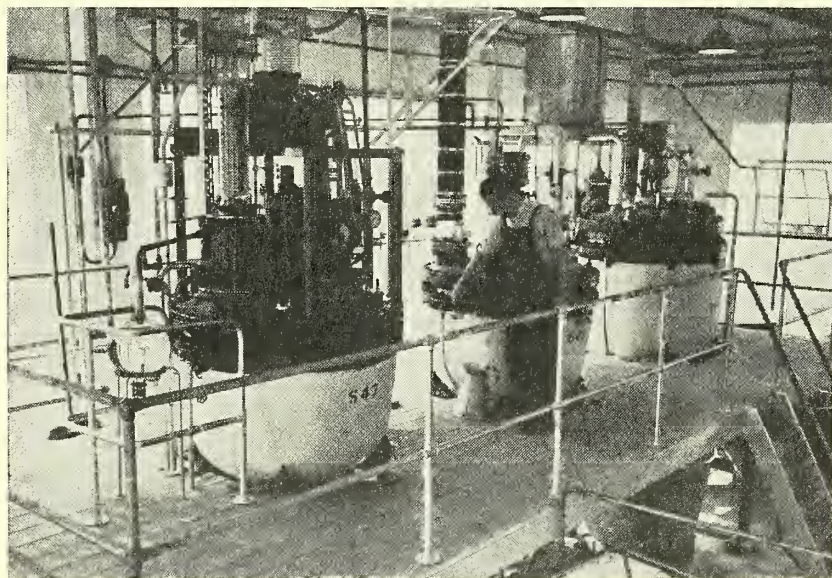


Galenicals on the way out? That must seem a remote contingency to a company that has had to install automatic volume-filling of winchesters, four up, to keep pace with demand.

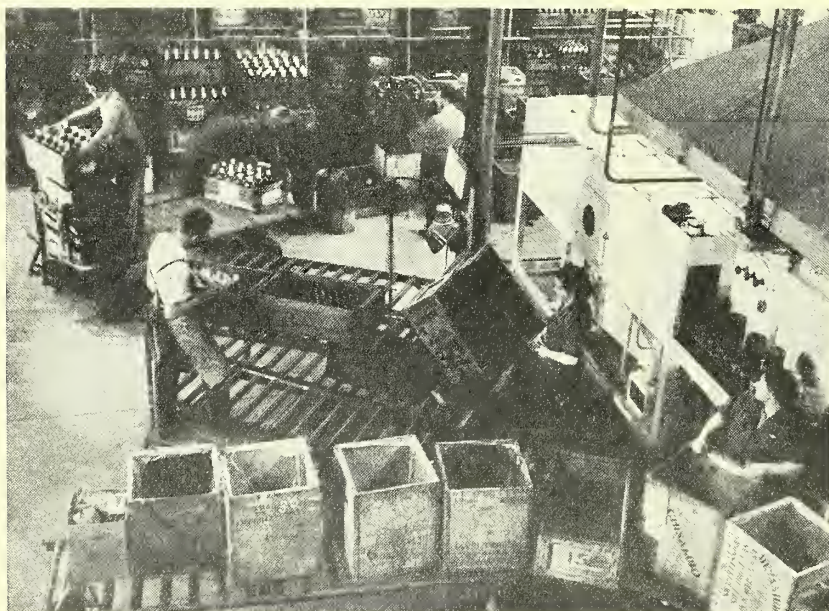
The company has been in occupation of the site at Long Melford since 1902, and has carried on there, in addition to the cultivation of medicinal plants and culinary herbs, the manufacture of medicinal extracts and other galenicals, from both home-produced and imported materials. Until recent months, however, when the new buildings went into use, the whole of the output of the Long Melford factory was transported in bulk to London, and filled and dispatched from the works at Wharf Road. Today, bulk containers have only to be run from the manufacturing departments the comparatively few yards into the filling hall, where they are handled by methods as modern as any to be seen in London or a provincial city. Not surprisingly a great economy in costs has resulted and output has leapt upward. Moreover it is still growing, notwithstanding that the making of pyrethrum extract, formerly carried on both in Suffolk and in London, is now done entirely in Kenya



Even in the capping, labelling and wrapping of winchesters of galenicals continuous-belt systems have had to be introduced. Orders come in from all over the world.



Concerned almost exclusively with substances wrung from natural raw materials, the company's business nevertheless shows the influence of modern trends. The illustration shows plant recently installed at Long Melford for the synthesis of an organic chemical that is used in insecticidal formulations as a synergist to pyrethrins.



Clean containers are of paramount importance in the marketing of galenicals. *Pièce de résistance* of the large bottle-washing department at Long Melford is the Clayton fully automatic machine (at right in picture) which takes bottles of any size or shape in varying degrees of contamination and delivers them in a continuous flow—clean, dry and ready for filling—at the rate of 1,500 per hour.

(the main source of the flowers) in a plant designed by the company. It is true, of course, that the imported extract continues to be processed at Long Melford so as to yield special grades (decolorised; for aerosols, etc.). In addition, the factory is manufacturing a pyrethrum synergist, Bucarpolate.

Gains in Efficiency

The practical advantages of the switch from London to Suffolk may readily be appreciated. Orders can be dealt with more expeditiously. Labour problems are greatly eased (and incidentally the men and girls of rural Suffolk seem to take readily to the tasks, both skilled and unskilled, to which they are put). The establishment of the filling departments at Long Melford has released space at Wharf Road that is being used to enlarge the company's perfumery and flavouring-essence departments, and for centralising there the pepper and spice mills located for so many years at Cowper Street in the City of London.

Actual construction of the new buildings was only possible after some acute problems had been solved. Through the site flowed a tributary of the river Stour, the boundary between Essex and Suffolk, and the land was liable to flooding in winter. To prepare the site for its new purpose the land had to be built up several feet by the bringing in and laying down of over 60,000 tons of filling. At the same time the river was diverted to a new bed, with the curious side-result that the site now overlaps the county boundary. The deposition so far done may not be the final reclamation, but already, with buildings between and on the far sides of two parallel hard roads for vehicles, the eventual layout is clearly to be seen. The

imaginative visitor can picture the end-effects of further projected improvements, such as "streamlining" the flow of goods and materials from one building to another, setting aside present "built up" areas for open spaces with lawns, flower beds and the rest. The works canteen has already undergone a transformation to make it an amenity in which the employees can take pleasure and pride.

Long Melford now claims to house the largest galenical manufacturing plant in the country, with a yearly output of over 1,000 tons. Water for its condensers is pumped at the rate of 60,000 gallons a minute, and the essential-oil stills, for example, are operating twenty-four hours a day, five days a week. Further extensions of the factory are to be expected.

Correspondence

Alexandra Palace

SIR,—So far from being "at present undergoing transformation, etc." (C. & D., November 9, p. 509), the Great Hall of the Alexandra Palace, with approximately 55,000 sq. ft. of floor space, was opened in March this year after being completely renovated and redecorated on contemporary lines, at a cost of over six figures, which included the cost of a new floor and roof. The hall is fully licensed and equipped with modern heating and lighting and every facility required by the largest exhibition. The policy of the trustees is to cater for exhibitions and shows of every description, and to make the hall the showpiece of North London. The first exhibition was held in April with a record attendance, and at present an international convention is being held in the hall.

FRANK GOMEZ,
Chief Executive Officer

Alexandra Palace,
London, N.22

Finances of Cancer Research

SIR,—In a report of a talk I gave on cancer chemotherapy (C. & D., November 9, p. 502) I am quoted as saying that cancer research would not be helped by unlimited funds. Since that remark, without its context, might give the mistaken impression that I do not think cancer research needs financial support, I would like to amplify it somewhat. The points I wished to make were, first, that really massive financial support of *ad hoc* cancer research may not produce results in proportion to the expenditure, since at present it must necessarily be based on inadequate fundamental knowledge; and secondly that a further effect would be to draw away some of the limited number of scientists from the basic biological research on which a solution of the problem of cancer (and many others) may well ultimately depend. However, I do not think that those remarks are relevant to the position in this country at present, where I am sure that far more money than is now available could usefully be devoted directly to cancer research.

Hounslow

JOHN DAVOLL

Dispensing Auxiliaries

SIR,—It is not easy to understand why discussions should have been going on for a considerable time about the correct position of unqualified "dispensers" or "assistants in dispensing," as their statutory description is at the present time. I cannot see any problem in this matter. The dispensers or assistants in dispensing are *auxiliaries* to pharmacists in the same way as radiographers are to the radiologists and the laboratory technicians to patholo-

gists. It is therefore clearly inappropriate to refer to a pharmacist as a "dispenser," and perfectly correct to describe assistants in dispensing as unqualified persons engaged—in a limited way—in dispensing, just as the radiographers are in radiology and the laboratory technicians are in pathological or histological work. Auxiliaries have no "academic" standing and their training certainly cannot be described as "academic" if it lasts one day a week spread over a period of two years' apprenticeship to pharmacists. It cannot be compared with the training provided for laboratory technicians by the Institute of Medical Laboratory Technology, though that training itself is not connected with universities and therefore not "academic." Valuable as the service of dispensers may be, especially if they acquire in the process, and over a period a considerable working knowledge, it is carried out under the responsibility and supervision of a pharmacist. So far as the term "dispensary" is concerned, it must be remembered that the description is inaccurate, and has sometimes a very different meaning. Mobile "dispensaries for sick animals" have hardly anything to do with dispensing and some hospitals are known as "infirmaries and dispensaries." Since every "authorised seller of poisons" is legally entitled to describe his premises as "pharmacy," hospital pharmacists are surely justified in insisting that their departments are called pharmacies to avoid the longer description "pharmaceutical department," fully analogous as that is with the "pathological department." Considering those facts *sine ira et studio*, there can be no argument.

C. J. RAWSKI-CONROY,
Chief pharmacist,
Leavesden Group Hospitals
nr. Watford, Herts

Whitley Council Agreements

SIR,—The staff side of the Pharmaceutical Whitley Council (Committee C) met on November 15 and discussed the recent action of the Minister of Health and the Secretary of State for Scotland in applying a veto to the application of new salary scales for administrative and clerical staffs as agreed by the appropriate Whitley Council. The matter has been well publicised in the daily Press and on the radio, but it may be useful, for the information of pharmacists, especially those in the hospital service, to indicate the history and significance of that action. When the Health Service was instituted in 1948, Whitley Councils were set up to negotiate salaries and conditions of service for eight groups, covering the whole of the staffs involved in the service. The

findings of those committees were regarded as recommendations. They were referred to the statutory employing authorities, i.e., Regional Boards, Boards of Governors, Hospital Management Committees, etc., who were responsible for implementing them. In 1951 the Minister took powers under the existing Act by which the findings of the Whitley Councils became recommendations to the Minister, who then issued mandatory instructions to the employing authorities to pay the salaries agreed by the Whitley Councils. Thus it became obligatory on the authorities to adhere strictly to the scales once the Minister had approved them. At that time the chairmen of the Whitley Councils were informed that the new arrangement was not intended in any way to interfere with the work of the Councils, and until now the agreements reached have been honoured by the Minister's approval. The routine has become so generally accepted as normal that the officials of the Ministry have always readily agreed to the immediate publication of the agreements reached, with the proviso that a note should be appended that application should not be made to the employing authorities until the necessary document was issued from the Ministry of Health. The present action of the Minister in applying a veto, therefore, make a new use for the rule, referred to above, that was instituted in 1951 and leaves both sides of the Whitley Councils in doubt as to the status and effectiveness of their findings. The staffs feel strongly that the action in fact constitutes a breach of faith on the part of the Minister concerned.

The Staff side of Committee C has therefore sent the following communication to the Prime Minister, the Minister of Health and the Secretary of State for Scotland:

"This Committee views with grave concern the veto exercised by the Minister of Health and the Secretary of State for Scotland on a Whitley Council agreement reached by the Whitley Council of the administrative and clerical staff of the Hospital Service, and considers this to be a breach of faith, having regard to assurances given by the Ministers concerned in the past as to the functioning of those Councils."

At the November 15 meeting approval was given to a draft of a claim for a new salary scale for hospital pharmacists, and that claim is being submitted to the management side in the course of a few days. Details will be submitted to the Press after the claim has been submitted.

HERBERT S. GRAINGER,
Secretary, Staff Side, Committee C
London, W.C.1

SON OF A CHEMIST

George Gissing and a "formative influence" on his character

ANYONE walking past the branch pharmacy of Boots, Ltd., in Westgate, Wakefield, is sure to notice a large tablet fixed by the side of the entrance. It reads:—
 "This tablet was erected to commemorate the birthplace of George Robert Gissing (1857–1903), Novelist and Man of Letters."

The famous novelist was born to a Wakefield chemist and his wife one hundred years ago on November 22. The chemist, Thomas Waller Gissing, carried on his business at a shop opposite the Corn Market, Westgate, Wakefield.

Although George Gissing was to travel far from the pharmacy and from the West Riding county town, he owed much to it and his early environment. He owed still more to his father, whose memory he always revered and whose accents and gestures he would often reproduce. He wanted to be what his father would have wished, and though he often failed in that, he kept the beacon of his father's memory always bright.

Town's Largest Pharmacy

Thomas W. Gissing was a Suffolk man. He took over the shop in Wakefield from a Mr. Hick, whose son became George's friend. At that time it was the largest chemist's shop in the town, and Mr. Gissing had far wider interests than many of his fellows in the profession. Indeed, George Gissing himself observed that "of the other chemists my father had the poorest—even contemptuous opinion." Nor did the family mix readily with others. The five Gissing children did not associate much with the children of any other shop-keepers. And the novelist tells how "when the shop caught fire and we ran a risk of being burnt out, father said afterwards that the mob would have stood in the streets and cheered as each floor fell through."

Probably this was an exaggeration. But Mr. Gissing seems to have been rather a silent, studious man who did not find it easy to discover much point of contact, except as a matter of business, with people who did not share his interests. To his fellow-enthusiasts of science and literature he was a pleasant enough companion.

Apart from his work he was an authority on botany and has been described as "a naturalist of some distinction." He published a work on the flora, especially the ferns, of the district. And he encouraged his children to explore the hedgerows for specimens and examine them.

In "The Private Papers of Henry Rycroft," George Gissing states: "I am no botanist, but I have long found pleasure in herb-gathering. I love to come upon a plant" And in 1896 he was thrilled to find his father's name in the Index of British Botanists in the British Museum.

But Thomas W. Gissing did something far more for his son, passing on to him his ambition and love of learning. According to H. G. Wells, who was a friend of the novelist, Mr. Gissing "was the chief formative influence upon his son's character," and in his writings George Gissing records that, after his father's death, he felt deprived of one who had understood him. In moods of depression he always returned to recollections of his happy boyhood and his father and could conjure up again in his imagination the warmth and light, the smell of camphor and the chemist's shop where he had spent his happiest days. Memories of browsing among and studying his father's fine collection of books would return. And in "A Life's Morning," he portrayed Wakefield as Dunfield and gives something of a portrait of life there at that time.

The chemist was determined that his children should receive the best education he could afford. George was sent, first of all, to a school kept by a Miss Milner, the sister of the Prison Governor. Later he attended the Rev.

William Harrison's flourishing school which was well respected in the district. There he first showed his interest in writing by beginning a story called "My Clerical Rival."

His schooldays seem to have been happy enough, for he was a good scholar and gained distinctions without difficulty. But he found time, apart from his lessons and private studies, to enjoy games with his brothers, sisters and friends.

A shadow fell across George Gissing's life with the death of his father when the boy was thirteen years old. It is said that Thomas W. Gissing had been let down by a man for whom he had stood surety and that that led to his death. At any rate his family were left badly off financially. Mrs. Gissing had to leave the shop so she took a house in a yard on the opposite side of Westgate. Later the family moved to Agbrigg, where George's sister Ellen was still living in 1880.

The premises at which some of George Gissing's happiest hours had been spent were taken over by someone else, though the business remained a chemist's. In 1928 its style was Chaplin & Son, Chemist. It is now, as already stated, a branch of Boots, Ltd. During the past few months alterations of the shop have been carried out, but the memorial tablet is still there.

After Thomas W. Gissing's death, George and his two brothers were sent as boarders to Lindow Grove School, Alderley Edge, Cheshire. He worked hard at his lessons and in a letter to his mother when he was thirteen tells her that he has sat for his science examination. He goes on to say that he is working in "earnest for my great exam., the Oxford. If I pass that I don't care. . . . This is in about three weeks, so that I have but very little time—how time does go! I never knew a half go so quickly in my life. I suppose it is having so many exams. If I pass all I go up for, I shall have passed five this half."

Always at the front of his mind was the desire to pass the examinations his father would have wished him to pass if he had been alive. Later, when he was about fifteen, he won a free place at Owens College, Manchester. There he achieved other honours before he wrecked his scholastic career by associating with a girl of poor reputation.

His friends packed him off to America, and on his return he set out to make his living as a novelist. His first novel "Workers of the Dawn" was published in 1880, and many other books followed. Something of his bitter struggles as a writer are related in "The Private Papers of Henry Rycroft"—the book that brought him more fame and money than any other and one that has countless admirers all over the world. He says of that book "On the whole I suspect it is the best thing I have done, or am likely to do; the thing most likely to last when all my other futile work has followed my futile life." But his life was not futile, merely tragic in its early opportunities wasted. For this son of a chemist has an important place in English literature, and is especially revered in America. And without the inheritance he derived from his father his work would have been less enduring than it is.

INJECTED MUSIC: The jargon used by music critics is not in the same class as that of wine-tasters, but it is sometimes unsettling. The other Sunday, relaxing from the busy immunisation programme of the previous week, I tuned in to *Music Magazine*, and immediately learned that a symphony by Stravinsky was built round a "germ theme." Moreover, this germ theme, I was told, consisted of B.C.G. repeated frequently. An extract was then injected intraaurally, with a multiple-puncture technique. In the circumstances there was surprisingly little local discomfort, but my composure was gone. The therapeutic value of music is well known, but its prophylactic virtues are obviously fraught with controversy.—A Peripatetic Correspondent in the *Lancet*.

PHARMACEUTICAL SOCIETY OF IRELAND

Monthly meeting of Council

AT a specially convened meeting on November 11, the Council of the Pharmaceutical Society of Ireland spent three-and-a-half hours considering future educational policy, particularly in relation to standards of entrance to pharmacy, qualification of assistants, and other problems connected with possible changes. It was decided to hold a further special meeting in a fortnight's time, to clarify and consolidate the members' views on the changes contemplated.

All that was embodied in the report of the Education Committee which came before the monthly meeting of the Council held in Dublin on November 12, at which Mr. M. Power (president) was in the chair. In the discussion which followed, Messrs. A. A. Toher and G. C. O'Neill, and Alderman M. L. Cashman stressed the need for having the fullest statistical data available for the second special meeting when far-reaching decisions might be made.

Also present at the Council meeting were Messrs. H. P. Corrigan (vice-president), M. Costello (treasurer), C. J. Cremen, T. R. Miller, M. Broderick, D. J. Kennelly, F. J. Robinson, V. McElwee, K. Banks, J. Kissane, F. J. Robinson, and Miss L. Cuniffe. Mr. J. G. Coleman (registrar) was in attendance. Mr. P. A. Brady, T.D., who was attending a health committee meeting of Dublin Corporation was excused, and apologies were received from Messrs. T. B. O'Sullivan and J. Gleeson.

The following changes of address were notified:—

Mrs. Johanna Cronin, L.P.S.I., to South Square, Macroom, co. Cork; Miss Bridget Mary Harnett, L.P.S.I., to 41 The Square, Listowel, co. Kerry; Mrs. Susan M. Kirby, M.P.S.I., to 3 Main Street, Tipperary; Mrs. Mary H. McAlinden, L.P.S.I., to 7 Gifford Road, Sandymount, Dublin; Mrs. Mary Margaret Murphy (assistant), to 17 Ardpatrick Road, Skreen Road, Dublin; Mrs. Joan Redmond, L.P.S.I., to 25 Foxfield Road, Raheny, co. Dublin; Sr. Mary Gabriel Joseph Moore, M.P.S.I., to St. Dominic's Convent, Clare Road, Wittebone, Cape Province, South Africa; Mr. Bernard J. Anderson, M.P.S.I., to Genazzano, Lucan Road, Chapelizod, Dublin; Mr. Henry Cashell, M.P.S.I., to 10 Cook Street, Cork; Mr. Francis Dwane (dispensing chemist and druggist), to 39 Stoneybatter, Dublin; Mr. Francis J. Fitzpatrick, M.P.S.I., to 67 Iona Road, Glasnevin, Dublin; Mr. William Irwin, L.P.S.I., to 18 Upper Castle Street, Tralee, co. Kerry; Mr. Patrick G. McLaughlin, L.P.S.I., to 16 Shantalla Road, Belfield Estate, Dublin; Mr. Riocard C. O'Higgins, M.P.S.I., to 38b South William Street, Dublin.

The following submitted marriage certificates and were granted change of name in the register: Mrs. Johanna Cronin (née O'Leary); Mrs. Susan Mary Kirby (née Walsh); Mrs. Mary H. McAlinden (née MacDonagh); Mrs. Mary Margaret Murphy (née Coyne); Mrs. Nora M. O'Mahony (née O'Carroll); and Mrs. Joan Mary Redmond (née McNulty).

The reports of the House, Law and Schools Committees were submitted and approved.

Inspector's Report

MR. P. O'BRIAIN (inspector to the Society) in his report mentioned that on a tour of County Wexford he had found non-qualified people selling medicinal preparations and poisons. In some cases he found that those goods had been purchased in good faith by the shopkeepers from a South of Ireland wholesaler under the impression that they could sell such lines. When he pointed out the illegality of offering those preparations for sale the shopkeepers agreed to discontinue stocking them. Mr. O'Briain added that he had also contacted the wholesaler and made the position clear.

The examiners to Part I of the October Licence examination reported that of thirteen candidates, eight were successful. For Part II there were fifty-three candidates and thirty-two were successful. For the Assistants' examination, six candidates entered and five passed. The two candidates for the Registered Druggist examination were unsuccessful.

The registrar reported the deaths of George Angus McLean Lee, M.P.S.I., James Edward McLaughlin, M.P.S.I., and Francis Boyle, R.D.

The following examiners were re-appointed for twelve months: *Pharmacy*, Mr. M. J. Mulreany; *Chemistry*, Drs. D. Twomey and Eva Philbin; *Biology*, Drs. Helen O'Reilly and M. Kane; *Pharmacognosy and Registered Druggist examination*, Dr. Eoin C. Dowling; *Assistants' examination*, Mr. M. J. Dunne; *Preliminary examination*, Dr. Eva Philbin and Professor J. J. McHenry.

The Licence certificates of the following were signed and sealed: Messrs. John F. Shine, James F. Mulligan, John P. Power, Louis V. Hyland, Michael J. Burke, Eamonn C. S. O'Mathuna, Jeremiah C. Kelly, Thomas R. F. O'Neill, John Patrick Byrne, Michael C. M. Martin, John J. Hunt, Martin I. Giblin, Edward F. Harrington, Edward B. McHugh; Misses Teresa Kenny, Rita A. Murphy, Brigid Kerins, Margaret T. Brady, Margaret M. O'Connor, Mary H. McAlinden, Mary C. Sharry, Mary P. Gildea, Ellen P. Murphy, Una Mullooly, Mary O'Mahony, Emer M. I. MacDonald, Brigid P. Quigley, and Norah Carmel Boland.

Mrs. Nora P. J. Maguire and Messrs. Padraig O'Mathuna and John R. Sherwood were elected members of the Society.

The following were nominated for membership: Messrs. Patrick C. McLaughlin, 16 Shantalla Road, Belfield Estate, Dublin; William Irwin, 18 Upper Castle Street, Tralee, co. Kerry; Liam Ryan, Mater Hospital, Dublin; Miss Mary O'Sullivan, Old Road House, Rathmore, co. Kerry; Miss Finola M. B. MacDonald, 17 Dominick Street, Galway; Messrs. Edward F. Harrington, Dooniskey, Lissarda, co. Cork; James F. Mulligan, 25 Great George's Street, Waterford; Mrs. Norah O'Mahony, Ardfert, co. Kerry; Miss Bridget Mary Harnett, 41 The Square, Listowel, co. Kerry; Mrs. Johanna Cronin, South Square, Macroom, co. Cork.

Mr. Francis Dwane, dispensing chemist and druggist, 39 Stoneybatter, Dublin, was nominated as an associate druggist.

At a meeting of the Benevolent Fund after the Council meeting, grants totalling £57 were passed for payment.

ECHOES OF THE PAST

UNHAPPY PATIENTS

From "A Short History of Social Life in England" by M. B. Syngé, F.R.Hist.S. (Hodder & Stoughton, London, 1906).

Circa 1802-20.

MEDICINE had advanced but little. The old family doctor was pompous, but ignorant. He carried his gold-headed cane with its round ball top, a relic of the time when it contained an aromatic mixture to guard against infection. In all cases of fever and agues bleeding was freely resorted to, and the surgeon of the day had few other refuges. Chloroform and ether had yet to be discovered; in those days operations were performed roughly, with imperfect and often unclean instruments, while the unhappy patient lay helplessly bound, conscious of every movement and enduring excruciating agonies. It is horrible to contemplate.

"I must enlarge the opening. Give me my uncle's knife," cried the nephew of a famous operator of this period. The operation lasted an hour, after which leeches were applied to prevent fever. After a night of agony, the victim was bled in the arm, more leeches were applied, until twenty-nine hours after the first shock, death mercifully released the patient. It is small wonder that many preferred to suffer long-drawn-out pain and disease rather than submit to the torture of the knife! Under surgeon, physician and apothecary were an army of dentists, midwives, etc., all more or less ignorant and uncertificated. The new century found vaccination growing in popularity among the cultured classes, together with a consequent decrease of small-pox, but it was not made compulsory till 1840.

BIOLOGICAL STUDIES AT SPITSBERGEN

Preliminary report by Nottingham's pharmacist-led expedition

THE Nottingham University Exploration Society has issued a preliminary report on its scientific expedition to Spitsbergen, under the leadership of Mr. G. W. G. Sharp, F.P.S. (lecturer in pharmacology). The report throws valuable light on the activity of the pituitary gland and of the adrenal cortex. Spitsbergen was chosen for the expedition because of its twenty-four-hour daylight in summer.

For the physiological work six members of the expedition were under test conditions for a continuous period of thirty-three days. Two people were tested each day, so that each person was actively under test every third day. The subjects under test lived under controlled conditions and slept in blacked-out tents. Waking time, meal times, diet, fluid intake and the time of going to bed were all fixed and adhered to throughout the test period. Blood counts were carried out every ninety minutes to determine the total number of white cells and the number of eosinophils per cu. mm. and blood films were prepared simultaneously and stained for differential white cell counts.

Urine collections were made every three hours throughout the day and the volume, specific gravity, pH value and ascorbic acid content determined. A sample of each urine was taken, bottled and preserved for analysis of sodium, potassium and chloride content on return to England.

During the test period recordings were made of weather conditions, light intensity, temperature and atmospheric pressure. Each subject kept a personal diary listing his daily activity and his sleep rhythm, so that any departure from the standard routine or conditions could be detected. By means of the regular testing outlined above the diurnal changes which occur in blood and urine were detected and determined. The effect of light on the mediators of those changes, the pituitary gland and adrenal cortex were investigated by making the subjects work by "night" and sleep by "day" and then reversing the lighting conditions. That also reverses activity, and a final separation of light and activity was achieved by waking the subjects at the normal time, but keeping them in the dark for a period of three hours.

Cycles Reversed

Reversal of blood cycles occurred in less than three days after reversal of light and activity; reversal of urine cycles occurred between the third and the sixth day after reversal of light and activity; a cycle of ascorbic acid excretion was detected and a marked effect due to light was observed on the indices used. Further work on the blood film and electrolyte excretion is being pursued.

The main area studied in the botanical work consisted of a rocky shore, tundra, scree slopes and glacial moraine. The shore and tundra were well populated with clumps of *Saxifraga nivalis* and *S. azoides* and domes of *Silene acaulis*; *Salix reticulata* and *S.*

herbacea formed thick mats on the tundra. *Dryas octopetala* and single specimens of *Saxifraga cernua* were common, but *Papaver radicum* was very scarce. One specimen of *Saxifraga oppositifolia* had both four- and five-merous flowers. In all, eighteen species of angiosperms were found and study of the adaptation of those plants to their environment is being carried out.

The expedition is supported by a grant from the Pharmaceutical Society of Great Britain, by the Mount Everest Foundation, and by the Royal Geographical Society; the University Students' Union and some pharmaceutical manufacturing firms gave money towards the high cost of the project.

There were five other members of the pharmacy department in the party: Messrs. D. W. Coupe, J. H. Bell, B. T. Bingham, W. T. C. Holden (students) and G. Hill, Ph.C.

BRAZIL'S IMPORTS

Volume continues to fall

THE value of Brazil's imports of drugs and medicines has declined from the equivalent of U.S. \$2,342,166 monthly in 1954 to \$1,274,833 in 1956 and \$1,260,000 in 1957. The monthly value of sulphur imports has increased progressively from 7,081 metric tons in 1954 to 10,716 in 1957. National production of sulphuric acid, using imported sulphur, amounts to 140,000 tons annually. Abundant supplies of sulphur can be extracted from the pyritic rejects of southern coal, but the cost of the yield exceeds that of the imported product.

Initial production of the Sandoz-Ciba-Geigy consortium, operating as Industrias Quimicas Rezende, will include 600 metric tons of colouring materials and 200 tons of pharmaceutical substances; over 80 per cent. of the raw materials consumed will be of Brazilian origin.

Details of the new import duties on chemicals, pharmaceuticals and allied products announced previously (C. & D., August 31, p. 224), have now been received. The *ad valorem* rates given below are those applicable to the great majority of items in each class of merchandise and are calculated at the following percentages of the c.i.f. value:—

Plants and fruits for medicinal and perfumery use and for manufacturing insecticides and fertilisers, 4 on the c.i.f. value of the merchandise; natural balsams, gums and resins, 15; vegetable extracts and juices, 25; aldehydes, 10-60; acetic and formic acids, 10-50; stearic and phthalic acids, 30; oxalic acid, 50; *Pharmaceutical products*:—Glands, 4; vaccines, 50; medicines, 4-60; medicines with penicillin basis, 120; materials for dressings, sutures, etc., 30-80.

Perfumery and toilet articles:—Essential oils, 30; concentrated solutions and mixtures, 60; manufactured preparations, 150; soaps, including medicated, 50; synthetic waxes, 80; prepared waxes, 100.

Photographic materials:—Plates and films, 4; others, 10-30; developing, fixing solutions, etc., 80.

MISCELLANEOUS INQUIRIES

Polyantibiotic Paste

What is P.B.S.C.?

P.B.S.C. is a polyanibiotic paste, used by dentists for root-canal therapy. It was formulated by L. I. Grossman, an American authority on such therapy, and is made up as follows:—

Potassium benzylpenicillin	1,000,000 units
Bacitracin	10,000 units
Dihydrostreptomycin	1 gm.
Caprylate sodium	1 gm.
M.S. 200 silicone fluid*	3 c.c.

*Distributed by Hopkin & Williams, Ltd., Freshwater Road, Chadwell Heath, Essex.

Hair Fixative

Do you know of a formula for a "gel-type" hair fixative?

AN alginate jelly made to the following formula provides a suitable basis for a gel-type fixative, that could serve as a starting point for a formulation:—

Sodium alginate	1.0
Calcium citrate	0.15
Preservative	q.s.
Distilled water	to 100.0

The alginate is dissolved in about half the distilled water and the calcium citrate in the remainder. The two solutions are mixed and allowed to stand for about two hours. As the reaction progresses, thickening occurs until a thick mucilage is produced. Viscosity can be varied by an adjustment of the quantity of the calcium ions which are present.

Cough Mixture

We are experiencing difficulty in obtaining a clear mixture containing glycerin, pure lemon juice, honey, tincture of ipecacuanha, syrup and water. If mel depuratum B.P.C. is used the mixture becomes very cloudy and with imported honey the mixture ferments. We should be pleased if you would suggest a method of making a satisfactory product?

YOUR difficulty in obtaining a clear mixture may not be due to the honey, but to the lemon juice in as much as you may be using lemon juice prepared *secundum artem*, whereas better results may be obtained with a lemon juice purchased ready clarified and acidity adjusted. We would suggest that you also make a comparison using equal parts of the glycerin, lemon juice and honey.

Twin Lamb Disease in Ewes

Can you give me any information as to the use of glycerin in the treatment of twin lamb disease in ewes?

Good results have been reported from the use of glycerin in twin lamb disease (pregnancy toxæmia) which is considered to be a disturbance of carbohydrate metabolism. Glycerin has been given to ewes in doses of 4 oz. mixed with an equal quantity of water. In many cases it has been found that ewes previously affected grazed in about one hour while those severely ill and recumbent on their sides were able to walk in one-and-a-half to two hours. The mixture is administered warm in order to pass straight to the abomasum thereby hastening recovery, but if warming is not possible under field conditions the addition of a small quantity of a weak solution (e.g. 0.25 per cent.) of copper sulphate would have the same effect.

Introducing

COSCOPIN LOZENGES

TRADE MARK

(NOSCAPINE)

FOR EFFECTIVE COUGH SUPPRESSION

- have a specific depressant action on cough reflex.
- stimulate the respiratory centre.
- have mild bronchodilator activity — aid expectoration.
- are non-narcotic, non-anaesthetic and not habit forming.
- do not cause constipation.

Coscopin Lozenges are indicated for the symptomatic relief of unproductive cough and productive cough that interferes with sleep.

COSCOPIN LOZENGES each contain 25 mg. of noscopine (formerly known as norcotine) and are available in 6 prescription packs. Each prescription pack consisting of a cellophane containing 20 lozenges.

FURTHER DETAILS FROM MEDICAL INFORMATION DEPARTMENT



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Signs of the times...

There's no need to depend on Nature's signs to learn that winter is close at hand. Day by day, the growing number of customers who inquire about supplementary nutritional products provides an equally eloquent barometer! Time now for such customers to know about Vi-MAGNA multivitamins and to appreciate how simple the routine is: just one Vi-MAGNA Capsule or one teaspoonful of Syrup daily throughout the winter months. Every dose of Vi-MAGNA provides the important supplementary factors in carefully balanced amounts . . . every dose contributes to improved well-being during the testing months ahead.

Vi-Magna^{*} CAPSULES & SYRUP

BRAND OF MULTIVITAMINS

*REGD. TRADE MARK

Each Capsule contains:

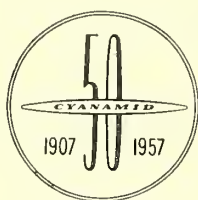
Vitamin A.....	5,000 I.U.
Vitamin D (viosterol)	500 I.U.
Thiamine mononitrate	3 mg.
Riboflavin (B ₂)	3 mg.
Pyridoxine HCl (B ₆)	0.2 mg.
Ascorbic acid (C).....	75 mg.
Niacinamide.....	20 mg.
Calcium pantothenate.....	1 mg.
Folic Acid.....	1 mg.
Vitamin B ₁₂	1 mcgm.
(as present in concentrated extractives from streptomyces fermentation)	

Bottles of 100 and 1,000

Each teaspoonful (5 cc.) of Syrup contains:

Vitamin A (palmitate).....	5,000 I.U.
Vitamin D.....	500 I.U.
Thiamine HCl (B ₁).....	3.0 mg.
Riboflavin (B ₂)	2.0 mg.
Niacinamide.....	20.0 mg.
Ascorbic acid (C).....	75.0 mg.
Calcium pantothenate	1.0 mg.
Pyridoxine HCl (B ₆)	0.2 mg.
Vitamin B ₁₂	5.0 mcgm.
(as present in concentrated extractives from streptomyces fermentation)	

Bottles of 4 and 16 fl. oz.



LEDERLE LABORATORIES DIVISION

Cyanamid of Great Britain Ltd., London, W.C.2

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, NOVEMBER 20: The markets were largely devoid of interest during the past week with inquiry directed chiefly to commodities in short supply. CITRIC ACID was marked up by 10s. per cwt.; the last alteration (also a rise) being in January. The chief manufacturers of POTASSIUM IODIDE reduced their schedules by 1s. 3d. per lb. to meet the price that has recently been quoted by some smaller suppliers. MERCURY fell to £69 per flask, but MERCURIALS had not been altered at the time of going to press, though the trade believed that some adjustments were likely to take place shortly.

Tinnevelly manufacturing or f.a.q. SENNA PODS are scarce on the spot, the quality of a large proportion of arrivals recently being unacceptable. It now appears that some HYDRASTIS is available on the spot, the price asked being 31s. per lb. which is less than the replacement value. Among AROMATIC SEEDS, CELERY and CUMIN were firm, with FENNEL scarce; on the other hand Moroccan FENUGREEK was easier. Supplies of IPECACUANHA were said to be tighter than ever. As in recent weeks spot and near shipment were unobtainable; distant shipment offers were additionally not forthcoming other than at "impossible" prices. The B.P. grade of TOLU BALSAM has been cleared on the spot, and replacements are not expected for three months. However, there are supplies of the genuine-as-imported material which, in view of the new crop coming along, has eased by one shilling per lb. MENTHOL was in regular demand and prices remained stable.

It is understood that the Spanish Government has placed an embargo on OLIVE OIL exports and is refusing to issue further licences for the time being. As a result the spot market has forged ahead by £20 per ton. Most sellers' ideas now range from £305 to £317 per ton as to quality, or 24s. 6d. to 25s. 6d. per gallon.

Pharmaceutical Chemicals

ACETANILIDE. — 1-cwt. lots are 2s. 10d. per lb. for crystals and 5-cwt., 2s. 9d. Powder is 1d. per lb. more.

AMIDOPYRIN. — Minimum rate is 23s. 1d. per lb. with usual differentials for small lots.

AMYLOBARBITONE. — B.P.C. is 77s. 6d. per kilo for minimum 25-kilo lots and SODIUM, B.P.C., 87s. 6d. per kilo.

ANEURINE HYDROCHLORIDE. — Price per kilo is £17 7s. 6d. with 10-kilo lots at £17 2s. 6d. per kilo.

ASCORBIC ACID. — Rates per kilo: 1 kilo, £4 18s.; 10 kilos, £4 16s. SODIUM ASCORBATE is offered at the same prices.

BARBITONE. — Rate for less than 50-kilo lots is 53s. 6d. per kilo. The SODIUM derivative is 56s. 9d. per kilo.

BIARIUM SULPHATE. — 250-kilo lots of B.P. (x-ray) are now 3s. 3½d. per kilo.

BRUCINE. — ALKALOID in 100-oz. lots is 2s. 1d. per oz. and NITRATE and SULPHATE, 1s. 10d. per oz.

BUTOBARBITONE. — B.P.C. is 92s. 6d. per kilo in minimum 25-kilo lots. SODIUM salt is 102s. 6d. per kilo.

CAFFEINE. — Minimum rates for 5-cwt. or 250 kilos and over are as follows (kilo price in parentheses):—MONOHYDRATE, 17s. 6d. per lb. (38s. 9d.); ANHYDROUS, 18s. (39s. 9d.); CITRATE, 11s. 6d.

(25s. 3d.); and SODIUM BENZOATE, 13s. 3d. (29s. 3d.); SODIUM IODIDE, 22s. 6d. (49s. 6d.); and SODIUM SALICYLATE, 14s. 9d. (32s. 3d.).

CALCIFEROL. — B.P. is 3s. 2d. per gm. for 1-kilo lots.

CALCIUM PANTOTHENATE. — Price per kilo is £22 17s. 6d.

CARBROMAL. — B.P.C. is 21s. per lb. delivered in returnable packing.

CHLORAL HYDRATE. — In 1-cwt. lots the price is about 4s. 3d. per lb.

CITRIC ACID. — Dearer. Quotations (per cwt.) for domestic material are 225s. for 1-4-cwt. lots and 220s. for 5-cwt. lots.

COCAINE. — For 16-oz. lots the price of the HYDROCHLORIDE is 91s. 6d. per oz. and ALKALOID, 101s. Subject to D.D.A. regulations.

CREAM OF TARTAR. — Rates for the home trade are now as follows:—1-ton lots, 231s. per cwt.; 10-cwt., 232s.; 5-9-cwt., 233s.; 2-4-cwt., 234s.; 1-cwt., 235s.

CRESOL. — Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

CYANOCOBALAMIN. — Less than 10-gm. lots are £75 per gm.

CYCLOBARBITONE. — B.P.C. in 25-kilo lots or over is 82s. 6d. per kilo.

FOLIC ACID. — B.P. and U.S.P. is offered on the spot at about 4s. 6d. per gm. in 1-kilo lots.

GLYCERIN. — Rates for pharmaceutically pure are as follows:—

Annual purchases or spot lots of	Under 1-cwt.	1-cwt. and under 5-cwt.	5-cwt. and under 1 ton	1 ton and under 5 tons	5 tons and over
Per cwt.	s. d.	s. d.	s. d.	s. d.	s. d.
TINS					
14-lb.	241 0	236 6	232 6	228 0	225 6
28-lb.	239 0	234 6	230 6	226 0	223 6
56-lb.	235 0	230 6	226 0	222 0	219 6
DRUMS					
1-cwt.	—	214 6	210 6	206 0	204 6
2½-cwt.	—	211 6	208 0	203 6	202 0
5-cwt.	—	—	207 6	203 0	201 6
10-cwt.	—	—	206 6	202 6	201 0

For 25 tons and upwards the price is from 200s. to 225s. 6d. as to containers. Bulk deliveries in tank wagons from 197s. 6d. to 198s. 6d. Pale straw industrial glycerin, s.g. 1.260, is 5s. per cwt. less than the above.

HEXOBARBITONE. — In 25-kilo lots the price is 115s. per kilo. SODIUM SALT is 125s.

HOMATROPINE. — Current rates (per oz.) for 16-oz. lots are now: ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

HYDROGEN PEROXIDE. — Carboy lots of 20 vols. are 5s. per gall. The 35 per cent. (by weight) is 158s. per cwt. in 1-cwt. carboys.

IODIDES. — Current quotations (per lb.) include the following:—

	28-lb.	1-cwt.	5-cwt.
	s. d.	s. d.	s. d.
POTASSIUM	9 0	8 6	—
SODIUM	14 1	13 2	12 9

MENAPHTHONE. — B.P. is £11 per kilo; ACETOMENAPHTHONE, B.P., £11; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.), £15 per kilo.

METHADONE HYDROCHLORIDE. — Price is from 2s. to 2s. 6d. per gm. as to quantity. Subject to D.D.A. regulations.

METHYL PHENOBARBITONE. — B.P. is 90s. per kilo in 25-kilo lots.

NICOTINAMIDE. — Prices per kilo are now: 1 kilo, 92s. 6d.; 10 kilos, 90s.; 50 kilos, 88s. 6d.

NICOTINIC ACID. — Prices per kilo are 57s. 6d. for 1-kilo and 53s. 6d. for 50-kilo lots.

NIKETHAMIDE. — Prices per kilo are:—1-kilo, 113s.; 50-kilo, 105s.

OPIATES. — Home trade prices (per oz.) are as follows:—

	35 oz. and over	Under* 35 oz.
	s. d.	s. d.
CODEINE		
PHOSPHATE ..	38 3	39 3
HYDROCHLORIDE ..	44 0	45 3
SULPHATE ..	44 0	45 3
ALKALOID ..	50 9	52 0
MORPHINE		
ACETATE ..	46 6	47 6
HYDROCHLORIDE ..	46 6	47 6
SULPHATE ..	46 6	47 6
TARTRATE ..	56 6	57 6
ALKALOID ..	57 6	58 6
ETHYLMORPHINE		
HYDROCHLORIDE ..	49 6	50 6
ALKALOID ..	59 6	60 6
DIAMORPHINE		
HYDROCHLORIDE ..	51 6	52 6
ALKALOID ..	56 3	57 3

*Containers below 35 oz. 1s. 6d. per container. Subject to D.D.A. Regulations.

PAPAVERINE. — Synthetic HYDROCHLORIDE is 250s. per kilo.

PENTOBARBITONE SODIUM. — Minimum 25-kilo lots are 125s. per kilo.

PETHIDINE HYDROCHLORIDE. — B.P. 100-gm. lots, 100s. Subject to D.D.A. regulations.

PHENACETIN. — In 5-cwt. lots makers' price is now 6s. 8d. per lb.; 1-cwt., 6s. 9d.

PHENOBARBITONE. — Under 50-kilo lots are 52s. 3d. per kilo and SODIUM, 55s. 6d.

PYRIDOXINE. — Manufacturers' rate for 1 kilo is now £109 5s. per kilo; 10 kilos, £108 10s.

RIBOFLAVINE. — Price (per kilo) is £18 10s. for 1-kilo and £18 5s. for 10-kilo lots.

SALICYLAMIDE. — Price (per lb.) for 1-cwt. lots is 8s. 6d.

SALOL. — Quotations for B.P.C. are about 9s. per lb. for 1-cwt. lots.

SANTONIN. — Minimum terms for home market are 480s. per kilo.

SULPHACETAMIDE. — Quotations (per lb.) for 1-cwt. lots are 24s. 6d. The SODIUM DERIVATIVE is 30s.

SULPHAGUANIDINE. — Manufacturers' rates for 1-cwt. lots are about 11s. per lb.

SULPHANILAMIDE. — Manufacturers' rates for 1-cwt. lots are 5s. 7d. per lb.

SULPHATHIAZOLE. — Price (per lb.) for 1-cwt. lots is 16s. 11d.

VITAMIN A. — Synthetic. Supplied in strengths of 200,000 international units per gm. the price is 11½d. per million i.u. Natural is 1s. 4d. per million units.

VITAMIN D₂. — In oil, 2 million units per gm. the price is 2d. per million international units. Crystalline see under calciferol.

VITAMIN E (synthetic). — TOCOPHERYL ACETATE, B.P.C., 10 gm. to 100 gm., 1s. 2d. per gm.; 100 gm. to 1 kilo, 1s. per gm.; 1 kilo and under 10 kilos, £45 per kilo; 10 kilos, £44 15s. per kilo.

Crude Drugs

ALOE.—Cape prime for shipment is about 195s. per cwt., c.i.f. and spot, nominally, 250s.

ARECA NUTS.—F.a.q. quoted at 67s. 6d. and selected, 140s. per cwt. landed.

BALSAMS.—Quotations (per lb.) are:—CANADA: Spot, 25s. 6d. to 26s. and shipment, 25s., c.i.f. COPAIBA, Para from 7s. 9d. to 11s. duty paid, PERU, 11s., duty paid (no c.i.f. offers). TOLU (genuine as imported), 25s. 6d.; B.P., not offering.

BUCHU.—Spot rounds are 7s. 9d. per lb.

CALAMUS.—Dutch root is quoted at 1s. 4d. per lb., c.i.f.

CASCARA SAGRADA.—Spot 1956 processed peel is 320s. per cwt., duty paid, and 1957 peel, from 290s. to 300s.; shipment, 255s., c.i.f.

CASSIA BARK.—Whole: Selected is now 200s. per cwt. in bond and No. 1 broken, is not quoted. No shipment offers.

CHERRY BARK.—Thin natural is from 1s. 9d. per lb., duty paid, and rossed 2s., on the spot.

CINNAMON.—Ceylon for December shipment (c.i.f.) per lb., OOOO, 7s. 10½d.; OOO, 7s. 6d.; OO, 7s. 4d.; seconds, 6s. 6d.; featherings, 2s. 4d.; quillings, 4s. 10d.; chips, 11d.

COCHINEAL.—Silver - grey Peruvian 9s. 6d. per lb. Canary Isles black-brilliant, 29s. 3d.

COCILLANA.—Bark is 1s. 11½d. per lb. on the spot.

ERGOT.—Portuguese is 5s. 6d. per lb. c.i.f., for prompt shipment and 6s. spot. American, 5s. 9d., spot; Hungarian, 7s. 9d.

GENTIAN.—French on the spot is quoted at 180s. per cwt.

GINGER.—African, 115s. per cwt. on the spot; shipment, new-crop, 110s. Jamaican No. 3 on the spot is 550s. per cwt. and No. 2, 610s. Cochinchina spot, 110s.

GUM ACACIA.—Kordofan cleaned sorts are 140s. per cwt. on the spot; prompt shipment, 132s. 6d., c.i.f.

HENNA.—Indian is 75s. per cwt. on the spot.

HONEY.—Australian light-amber is 112s. 6d. to 117s. 6d. and medium amber 105s. to 110s. Argentine 127s. 6d. to 132s. 6d.; Jamaican, 140s. to 145s., all per cwt., on the spot.

HYDRASTIS.—Spot 31s. per lb.; forward, 31s. 6d. per lb., c.i.f.

HYOSCYAMUS.—Dutch leaves (*niger*), are 1s. 6½d. per lb., c.i.f., prompt shipment.

IPECACUANHA.—Spot cleared. Nothing offering for shipment.

JALAP ROOT.—Mexican. November-December shipment, testing 15 per cent., is 5s. 1d. per lb., c.i.f.

KOLA NUTS.—Jamaican are offered at about 8d. per lb. spot, and 6½d., c.i.f. African, 5½d. spot and 4½d., c.i.f.

LANOLIN.—ANHYDROUS, B.P. is from 170s. to 191s. per cwt. and HYDROUS, B.P., 145s. to 166s.

LIQUORICE.—Natural root: Russian, 52s. 6d. per cwt.; Chinese, 50s.; Persian, 45s. Block juice: Anatolian, 200s. per cwt. and Chinese, 192s. 6d., spot. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 2s. 10½d. per lb.

LOBELIA HERB.—Spot offers are from 4s. 9d. to 5s. 3d. per lb. Dutch for shipment, 4s. 3d., c.i.f.

MACE.—Whole on the spot is from 23s. 6d. per lb.

MENTHOL.—Short. Chinese is 55s. per lb., duty paid; Brazilian, spot, 41s., duty paid, shipment, 38s., c.i.f. Formosan, 46s., c.i.f., nominal, Japanese, 47s., c.i.f., December-January.

MERCURY.—Price per flask (76-lb.) is £69 on the spot.

NUTMEGS.—East Indian 80's 12s. 6d. per lb., c.i.f.

ORANGE PEEL.—West Indian bitter quarters are 1s. per lb.; Spanish, 1s. 3d.; thin-cut Tripoli, 2s. 4d.

ORRIS ROOT.—Florentine is 340s. per cwt.

PAPAIN.—No. 1 white is 30s. per lb., c.i.f.

PEPPER.—White Sarawak is easy with sellers at 2s. 2d. per lb. on the spot and November shipment offering at 2s. 2d., c.i.f. Black Sarawak, 1s. 6d. on spot and November shipment at 1s. 5d., c.i.f. Black Malabar on spot is 200s. per cwt. and 190s., c.i.f., November-December shipment.

PEPPERMINT LEAVES.—Dutch new-crop for shipment, 2s. 9d. per lb., c.i.f.

PIMENTO.—Spot is 510s. per cwt.; shipment, 540s., f.o.b.

PODOPHYLLUM.—*Emodi* is 135s. per cwt., c.i.f. and 145s., spot, *Peltatum*, 3s. 10½d. per lb., spot, and 400s. per cwt., c.i.f., for shipment.

PYRETHRUM.—Extract, minimum 25 per cent. w/w pyrethrins, is 72s. per lb.

QUASSIA.—Spot market bare; shipment offers not expected before January 1958.

QUILLAIA.—Spot offers of whole bark at 195s. per cwt.; cut, 230s.; crushed, 245s. Shipment offers at 150s., c.i.f.

RAUWOLFIA.—*Serpentina* is 4s. 3d. per lb., c.i.f. and *vomitaria*, 2s. 3d., c.i.f.

RHUBARB.—Quotations for Chinese are from 6s. 6d. to 9s. 3d. per lb., as to quality.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 6d. per lb., and for shipment, 2s., c.i.f.

SEEDS.—(Per cwt.) ANISE.—Cyprian, 170s. CARAWAY.—Dutch, 95s., duty paid. CELERY.—Indian firm at 200s., spot; shipment, 162s. 6d., c.i.f. CORIANDER.—Moroccan for shipment, 57s. 6d., c.i.f.; Spot, 87s. 6d.; Rumanian, 75s.; Polish, 62s. 6d. (splits, 52s. 6d.) all duty paid.

CUMIN.—Cyprian on spot, 200s.; Iranian, 185s., in bond. DILL.—Indian, 62s. 6d., spot; shipment, 49s., c.i.f. FENNEL.—Indian scarce on spot with 200s. quoted nominal. FENUGREEK.—Moroccan now offered at 57s. 6d., duty paid.

MUSTARD.—English, 67s. 6d. to 80s., according to quality.

SENEGA.—Spot is 18s. 3d. per lb. with shippers asking 17s. 6d., c.i.f.

SENNA.—*Timnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., prime No. 2, 1s. 3d., f.a.q., No. 3, 10d. PODS, manufacturing, scarce, 1s. 5d. nominal; others, 1s. 7d. to 2s. 3d. *Alexandria* pods: Manufacturing, 1s. 6d. with hand-picked from 3s. 6d. to 8s.

SHELLAC.—F.O.T.N. 212s. 6d. per cwt., F.O. No. 1, 230s.; fine orange, 242s. 6d. to 302s. 6d.

SLIPPERY ELM.—Grinding quality bark is 2s. 7½d. per lb.

SQUILL.—New-crop white is offered on the spot at 65s. per cwt.

STRAMONIUM.—Indian LEAVES are 70s. per cwt., and European 80s. on the spot.

STROPHANTHUS.—*Kombé* on the spot is 8s. 6d. per lb. for the 100 per cent.; *Gratus* is unobtainable spot or forward.

STYRAX.—Quotations are 9s. 6d. per lb., landed, duty paid.

TONQUIN BEANS.—Para on the spot are cleared; no shipment offers.

TRAGACANTH.—No. 1 ribbon is £150 to £155 per cwt., No. 2, £135 to £137 10s.

TURMERIC.—Madras finger on the spot is 52s. 6d. per cwt.

VALERIAN ROOT.—Spot: Indian (with rootlets) is 130s. and Belgian, 175s. to 195s. per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 168s., g/n, c.i.f.

Essential and Expressed Oils

ALMOND.—British oil is 9s. per lb. Moroccan, 7s. 6d., in bond.

AMBER.—Rectified on the spot is 1s. 6d. per lb.

BERGAMOT.—Spot supplies are from 85s. per lb.

CADE.—Spanish is 2s. 6d. per lb. for drum lots.

CAJUPUT.—Spot supplies are from 10s. 6d. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CAMPHOR, WHITE.—Chinese is 2s. per lb., in bond.

CANANGA.—Spot is 52s. 6d. per lb.

CARAWAY.—English-distilled is offered at 55s. and imported from 25s. to 26s. per lb.

CARDAMOM.—Price per lb. is from 350s. for English-distilled and from 267s. 6d. to 297s. 6d. for imported.

CASTOR.—Minimum charge for home-produced B.P. oil on the spot is £187 per ton naked ex mill.

CEDARWOOD.—1-cwt. lots of American are 5s. 6d. per lb., and Kenya, 4s.

CELERY SEED.—Oil is 95s. per lb. for bulk lots.

CINNAMON.—From quillings, best English-distilled is 50s. per oz.; other B.P. oils, from 165s. per lb. Ceylon leaf, crude, 14s. 6d. and rectified, 25s. per lb., spot.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CUBEB.—Spot supplies are offered at 45s. per lb.

DILL.—B.P. imported is 36s. per lb.

GINGER.—English-distilled oil is 185s. per lb. Imported: Jamaican, 167s. 6d.; Chinese, 100s., duty paid.

JUNIPER.—B.P.C. 1949 oil is from 12s. 6d. per lb. and Jugo-Slavian, 14s. on the spot. English-distilled is 155s. JUNIPER WOOD, from 5s.

LAVANDIN.—Spot is from 11s. to 14s. 9d. per lb. for original drums.

LAVENDER.—French oil, 40-42 per cent. is from 40s. to 60s. per lb. as to make.

LAVENDER SPIKE.—Spanish is offered from 12s. 6d. to 15s. per lb. on the spot.

LEMON.—Prices of B.P. oil (4 per cent. citral) vary greatly on the spot according to quality and range between 37s. and 45s. per lb. Californian, 25s. 9d. to 28s. 6d. as to quality.

LIME.—West Indian distilled is in the region of 60s. per lb. on the spot. Supplies short.

ORANGE.—Spot quotations of sweet oil include Floridan at 4s. 6d. per lb.; Californian, 9s.; West Indian, 7s. 6d.; South African, 7s. 6d.; West African, 15s. 6d.; Israeli, 12s. For shipment, proprietary brand Californian cold-pressed U.S.P., no offers; distilled equals 5s., c.i.f. Terpeneless is 200s. per lb., spot and bitter, 23s. per lb.

SANDALWOOD.—Mysore in 1-cwt. lots is 87s. per lb. and East Indian, 73s.

SASSAFRAS.—Brazilian is from 4s. per lb., duty paid.

UNITED STATES REPORT

NEW YORK, NOVEMBER 19: Prices for IPECACUANHA were virtually nominal in the face of a short supply position. LOBELIA HERB at 50 cents was down 15 cents per lb. while TOLU BALSAM at \$3.85, was down 15 cents. Haitian VETIVERT OIL advanced 50 cents to \$11 a lb. Lower per lb. were CEDARWOOD OIL at 55 cents, down seven cents; LEMONGRASS at \$1.50, down 10 cents; and FORMOSAN CITRONELLA at 83 cents, down four cents.

WORLD TRADE

Rhodesian Castor-oil Plant.—A pilot plant, costing about £40,000, for the extraction of castor oil from seed, is to be constructed at Gwelo in 1958.

Israel Chemical Expansion.—Israel's first formaldehyde plant is to be erected shortly at Ashdod-Yam. It is estimated that the annual output of 3,000 tons will cover domestic requirements.

Argentine Import Regulations.—According to Central Bank Circular No. 3,011, imports of bisulphite of sodium, pharmaceutical quality (Tariff No. 4859) cannot be cleared without a certificate of necessity issued by the Ministry of Social Assistance and Public Health.

Swiss Tariff Reform.—Switzerland is revising her Customs and import tariffs. Increases proposed range from 10 to 50 per cent. over a wide range of goods. The chief of the Swiss Commerce Division, said on November 2 that the tariff list and duties would serve as a draft bill to be presented to the Swiss Parliament next year. It would also be a basis for negotiations to join the General Agreement on Tariffs and Trade (G.A.T.T.) and, later, the proposed European Free Trade Area. The spokesman said the present

tariff list, which was thirty-six years old, failed to cover many new types of goods. Switzerland's tariffs were only 4.5 per cent. today—among the lowest in Europe. Chemical products would be among the categories of goods, receiving much higher tariffs—with some as high as 50 per cent.

Canadian Import Duties: Manufacturers' Comment.—A delegation representing the Canadian Manufacturers' Association told Cabinet Ministers in Ottawa recently that although imperial preferences "should be highly valued and retained, if not extended," there should be no further reductions in preferential rates of duty on manufactured goods which could be supplied from Canadian factories. The delegation presented a 55-page memorandum to the Government dealing with the whole question of the suggested diversion of imports from the United States to Britain and Canadian trade in general. Pointing out that the principle of the diversion of imports from the U.S. to Britain had been advocated by the Association for many years, the memorandum emphasised that British manufacturers already enjoyed an advantage over their Canadian counterparts by lower wage scales.

TRADE MARKS

APPLICATIONS ADVISED BEFORE REGISTRATION

From the "Trade Marks Journal," November 6

For pharmaceutical and veterinary preparations for use in treatment of the skin (5)

MYCOLIN, B766,997, by Crookes Laboratories, Ltd., London, N.W.10.

For medicated fruit-flavoured confectionery (5)

VITA FRUITIS, 767,571, by James Keiller & Son, Ltd., Dundee, and London, W.1.

For pharmaceutical, veterinary and sanitary preparations and substances (5)

ENTIFUR, FURAMAZONE, 767,962-63, by Norwich Pharmacal Co., Norwich, New York, U.S.A.

For all goods (5)

PERLONGETS, PERLONGULES, 768,114-15, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany. PULVOGEN, 768,423, by Genatosan, Ltd., Loughborough, Leics. ENCOTINE, 768,666, by A. & G. Nicholas, Ltd., Slough, Bucks.

For medicinal preparations for the throat (5)

Device with wording DE WITT'S, 768,412, by E. C. De Witt & Co., Ltd., Croydon, Surrey.

For insecticides, fungicides and preparations for killing weeds and destroying vermin (5)

RUNCATEX, 768,726, by Murphy Chemical Co., Ltd., Wheathampstead, Herts.

For optical slide projectors and optical slide-changing apparatus, and parts of and fittings (9)

READYMATIC, 768,093, by Kodak, Ltd., London, W.C.2.

For hearing aids and parts (10)

AURETTE, 767,532, by Multitone Electric Co., Ltd., London, N.1.

For medical appliances (10)

HYDROPAK, 768,707, by Electro-Medical Supplies (Greenham), Ltd., London, W.1.

From the "Trade Marks Journal," November 13

For chemical products used in industry (1)

MACALOID, 763,641, by Inerto Co., San Francisco, California, U.S.A.

For adhesives (1)

Device with word TOPCO, 764,851, by Templar Oil Products Co., Inc., Brooklyn, New York, U.S.A.

For adhesive substances (1)

TAYP-O-MATIC, 768,574, by Global Trading

(London), Ltd., London, W.1.

For chemical products used in industry, but not including boron or compounds containing boron (1)

DEHYSAN, 765,462, by Dehydag-Deutsche Hydrierwerke, G.m.b.H., Dusseldorf, Germany.

For photographic papers (sensitised) (1)

TENEX, 768,583, by Ilford, Ltd., Ilford, Essex.

For bonding agents made of polyvinyl resin, being adhesive substances for use in industry (1)

ADDI-BOND, 768,680, by Roy Nathaniel Gunn, London, S.W.19.

For ammonium compounds being chemical substances for use in removing electro-static charges (1)

CROXTINE, 768,829, by Sheridan Croxet, Ltd., London, W.C.1.

For cleaning, polishing, scouring and abrasive preparations (3)

MERCEDES-BENZ, 756,391, by Daimler-Benz, A.G., Stuttgart, Germany.

For toilet preparations for use in shaving (3)

LUBRI-SHAVE, 764,324, by Colgate-Palmolive Co., New York, U.S.A.

For cleaning, polishing, scouring and abrasive preparations, all being goods consisting principally of wax (3)

WAXMAX, 767,313, by W. A. McLellan, Ltd., London, E.C.1.

For essential oils (3)

SUNCROFT, 768,748, by C. W. Field, Ltd., Liverpool, 19.

For pharmaceutical preparations for gynaecological and obstetric purposes; and prophylactic creams and jellies (5)

ORTHO, 762,662, by Ortho Pharmaceutical Corporation, Raritan, New Jersey, U.S.A.

For pharmaceutical preparations (5)

TERBINTILEN, 764,041, by W. Spitzner, Arzneimittelfabrik, G.m.b.H., Ettlingen/Baden, Germany.

For herbicides (5)

RANDOX, 765,571, by Monsanto Chemical Co., St. Louis Missouri, U.S.A.

For all goods (5)

BRONTYL, 766,073, by Siegfried, A.G., Zofingen, Switzerland. SEBBAN, 767,201, by Genatosan, Ltd., Loughborough, Leics. PENITRIAD, 768,270, by May & Baker, Ltd.,

Dagenham, Essex. ANABOLEX, 768,627, by Howard Lloyd & Co., Ltd., London, S.W.1. ISODORM, 768,691, by Clinical Products, Ltd., Richmond, Surrey. AVERTILAN, 768,805, by The British Drug Houses, Ltd., London, N.1.

For antibiotic preparations for pharmaceutical purposes (5)

ALBIOTIC, 766,268, by Upjohn of England, Ltd., Crawley, Sussex.

For disinfectants containing pine extract (5)

Device with word PINETOPS, 766,708, by Hopwoods Hauliers and Drysalers, Ltd., Blackpool.

For pharmaceutical substances for human use in discouraging the smoking habit (5)

TERMINEX, 767,608, by Trevena, Ltd., London, E.C.2.

For medicated beverages and pharmaceutical preparations for making such beverages (5)

VIRIBA, 767,032, by Modern Health Products, Ltd., Chessington, Surrey.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, November 25

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, and LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY, North-west Kent College of Technology, Miskin Road, Dartford, at 7.30 p.m. Dr. N. J. Harper on "Synthetic Analgesics."

Tuesday, November 26

BIRKENHEAD and WIRRAL PHARMACISTS' ASSOCIATION and BRANCH, Central hotel, at 8 p.m. Talk by Mr. J. C. Bloomfield (a member of the Pharmaceutical Society's Council).

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Imperial hotel, at 8 p.m. Members' colour photography exhibition.

BRADFORD BRANCH, NATIONAL PHARMACEUTICAL UNION, Fountain Hall, at 7.30 p.m. Supper-dance.

GLASGOW AND WEST OF SCOTLAND BRANCH, PHARMACEUTICAL SOCIETY, St. Enoch hotel, Glasgow, at 7 p.m. Dinner and dance.

NORTH METROPOLITAN BRANCH, NATIONAL PHARMACEUTICAL UNION, Beale's restaurant, Holloway Road, London, N.7, at 7.30 p.m. Mr. H. D. R. Matthews (N.P.U. marketing officer) on "The N.P.U. Television Publicity Scheme and the Work of the Marketing Policy Committee."

PHYSICAL METHODS GROUP, SOCIETY FOR ANALYTICAL CHEMISTRY, Burlington House, Piccadilly, London, W.1, at 6.30 p.m. Annual meeting; Dr. J. E. Page on "Infra-red Spectroscopy and the Analyst."

TRES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Constantine Technical College, Borough Road, Middlesbrough, at 7.45 p.m. Dr. A. S. Curry (Home Office forensic science laboratory, Harrogate) on "The Chemical Investigation of Morphine Poisoning."

Wednesday, November 27

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, 21 Portman Square, London, W.1, at 7.15 p.m. Film show.

Thursday, November 28

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, department of surgery, Bristol Royal Infirmary, at 7.15 p.m. Dr. G. K. McGowan (lecturer in chemical pathology, Bristol University) on "Electrolytes in Medicine."

CAMBRIDGE and HUNTINGDON BRANCH, PHARMACEUTICAL SOCIETY, University Arms hotel, Cambridge. Annual dinner and dance.

EPSOM AND SUTTON BRANCH, NATIONAL PHARMACEUTICAL UNION, Adults' School and Institute, Sutton, at 8 p.m. Mr. P. D. J. Spaanderman (chairman, N.P.U.) on "Education—The Door to the Future?"

Friday, November 29

SOCIETY OF COSMETIC CHEMISTS, Royal Society of Arts, John Adam Street, London, W.C.2, at 7.30 p.m. Dr. V. R. Wheatley on "Chemistry and Biochemistry of Sebum."

PRINT AND PUBLICITY

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies. Where known, the number of appearances of the product during the week is shown in parentheses.

* = National Pharmaceutical Union Scheme.

December 1-7

LONDON

Addis beauty brushes and gift sets*, Alka-Seltzer (2). Anadin (2). Andrews liver-salt (5). Aspro (7).
Beecham's pills (4). Beecham's powders (4). Bristow's lanolin shampoo (3). California syrup of figs. Colgate brushless shaving cream (2). Colgate dental cream. Coty "24" lipstick. Creme Puff and Hi-Fi lipsticks in gift sets*.
Delrosa rose hip syrup (2). Digestif Rennies (3). Eno's fruit salt (3). Ex-lax (2). Famel syrup (3). Fynnon salt.
Gayelord Hauser extra potency yeast (2). Germolene (4). Gibbs' S.R. tooth-paste (7). Gillette razors and blades (3). Gon tablets.
Halo shampoo (2). Horlicks (3). Iron Jelloids (3). Kleenex tissues (5).
Lantigen B oral vaccine (3). Loxene medicated shampoo.
Macleans indigestion products (2). Macleans tooth-paste (2). Macprin (3). Milk of Magnesia products (2). Moorland indigestion tablets. Opas tablets. Optrex eye lotion (3).
Palmolive soap (2). Palmolive rapid-shave (2). Penetrol inhalant (2). Phensic (5). Philips electric blankets (2). Phosferine (3). Phyllosan (3). Potter's catarrh pastilles. Punch and Judy children's tooth-paste (2).
Scotties tissues (3). Silvikrin shampoo (4). Sun-silk shampoos (4). Tru-gel. Twink (4).
Valderma balm. Vaseline liquid shampoo. Veno's cough mixture (4). Vitaforce. Vita-Glucose. White Fire perfume and gift sets*. Zeph nasal spray (3).

MIDLAND

Alka-Seltzer. Anadin (2). Andrews liver-salt (5). Aspro (6).
Beecham's pills (3). Beecham's powders (4). Bisodol. Bristow's lanolin shampoo (3).
California syrup of figs (2). Colgate dental cream (2). Coty "24" lipstick. Creme Puff and Hi-Fi lipsticks in gift sets*. Cutex lipstick (3). Cuticura talcum powder.
Delrosa rose hip syrup (2). Digestif Rennies (2). Duet Home Perm (2).
Eno's fruit salt (3).
Famel syrup (3).
Gayelord Hauser extra potency yeast. Germolene (3). Gibbs' S.R. tooth-paste (12). Gillette razors and blades (3). Halo shampoo. Horlicks (3). Iron Jelloids (2).
Kleenex tissues (5).
Lantigen B oral vaccine. Lincoln hair products. Loxene. Lloyd's adrenaline cream (3).
Macleans indigestion products (2). Macprin (3). Milk of Magnesia products (2). Moorland indigestion tablets. Nemakol. Opas tablets.
Pacquin's hand cream (2). Palmolive soap. Palmolive rapid-shave. Penetrol inhalant. Pepsodent tooth-paste (3). Persomina tablets. Phensic (6). Phosferine (3). Phyllosan (3). Polly roll absorbent paper. Potter's catarrh pastilles. Punch and Judy children's tooth-paste. Radian B. Remington electric shavers (6).
Scotties tissues (2). Shavex (2). Silvikrin shampoo (4). Style home permanent*. Sun-silk shampoos (5). Tattoo lipstick. Tru-gel. Twink (4).
Valderma balm (5). Veno's cough mixture (4). Vita-Glucose. Yardley gift cases for men and women*. Zoflora. Zero. Zeph nasal spray (2). Zubes cough mixture (3).

NORTH

Alka-Seltzer (2). Anadin. Andrews liver-salt (4). Aspro (7).
Beecham's pills (5). Beecham's powders (4). Bristow's lanolin shampoo (4).

California syrup of figs. Cephos (4). Colgate dental cream (2). Coty "24" lipstick. Creme Puff and Hi-Fi lipsticks in gift sets*. Crookes halibut liver oil capsules (2). Crookes hand cream (4).

Delrosa rose hip syrup (2). Digestif Rennies (2). Eno's fruit salt (3). Euthymol tooth-paste*. Famel syrup (3). Fynnon salt.
Germolene (3). Gibbs' S.R. tooth-paste (10). Gillette razors and blades (3). Halo shampoo. Horlicks (3). Iron Jelloids (3).
Kleenex tissues (5).

Lantigen B oral vaccine. Lincoln hair products. Loxene medicated shampoo.

Macleans indigestion products (2). Macleans tooth-paste (3). Macprin (3). Milk of Magnesia products (2). Moorland indigestion tablets.

Opas tablets. Pacquin's hand cream. Palmolive soap. Palmolive rapid-shave (2). Penetrol inhalant. Phensic (4). Pepsodent tooth-paste (2). Phosferine (3). Phyllosan (3). Pifco vibratory massager. Pin-Up home permanent (2). Pond's beauty preparations. Potter's catarrh pastilles. Pure Silvikrin.

Savlon antiseptic lozenges (3). Scotties tissues (2). Setlers (2). Silvikrin hair cream. Silvikrin shampoo (3). Shavex (2). Snowfire waveset. Sun-silk shampoos (3).

Thermogene (3). Tru-gel (2). Twink (4).

Valderma antiseptic soap (5). Veno's cough mixture (5). Vita-Glucose. White Fire perfume and gift sets*. Zeph nasal spray (2). Zero. Zoflora. Zubes cough mixture (3).

SCOTLAND

Alka-Seltzer. Anadin (2). Andrews liver-salt (4). Andrex (3). Aspro (7).
Beecham's powders (4). Beecham's pills (2). Bisodol.
California syrup of figs (2). Christy's lanolin face pack. Colgate dental cream. Coty 24 lipstick. Delrosa rose hip syrup (2). Eno's fruit salt (3). Famel syrup (3). Fynnon salt. Germolene (3). Gibbs' S.R. tooth-paste (2). Gillette razors and blades (3). Halo shampoo. Horlicks (3). Kleenex tissues (5).
Lantigen B oral vaccine. Loxene medicated shampoo.
Macleans indigestion products (2). Macprin (3). Milk of Magnesia products (2). Moorland indigestion tablets. Opas tablets.
Pacquin's hand cream (3). Palmolive soap.

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 30 per cent.; † = Tax 90 per cent.

BENGUE & CO., LTD.

	Doz.	I.R.P.
Velus cream perfumed†	40 gm.	10 6 R 2 6
	70 gm.	16 2 R 3 10
unperfumed*	40 gm.	10 6 R 1 10
	70 gm.	16 2 R 2 10

BRAND & CO., LTD.

	Doz.	I.R.P.
Calf's foot jelly	20 9	2 3 A

CREME SIMON (DISTRIBUTORS), LTD. (from November 25)

Crème Simon† jars No. 3	22 6	4 6 A
No. 2	37 6	7 6 A
No. 1	53 0	10 9 A
tubes No. 2	11 3	2 3 A
No. 1	22 6	4 6 A
Crème Simon M.A.T.† jar	11 3	2 3 A
jar	22 6	4 6 A
tube	11 3	2 3 A
tube	22 6	4 6 A
Crème Simon Nucia† jar	37 6	7 6 A
tube	11 3	2 3 A
Poudre Simon† No. 2 box	31 0	6 3 A

PFIZER, LTD.

Corril lotion with neomycin, 1 per cent.	Each 20 mls	19 0 28 6 R
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NEW PRODUCTS AND PACKS

ABBOTT LABORATORIES, LTD.		
Filmstab Tral*	100	45 0
ARMOUR LABORATORIES (ARMOUR & CO., LTD.)		
Tryptar ointment		
0.5 oz. tube	20 0	30 0
Atcofac	12 fl. oz.	20 0 30 0



TELEVISION-LINK SHOWCARD: W. B. Cartwright, Ltd., Rawdon, Leeds, are distributing to pharmacists the showcard illustrated. It links up with current Press and television advertising.

Palmolive rapid-shave. Penetrol inhalant. Persomina tablets. Phensic (4).

Silvikrin hair cream (4). Twink (4). Veno's cough mixture (4). Vita-Glucose. Yeast-Vite (2). Zeph nasal spray (2).

Other products which are currently being advertised (but for which no station has been notified) include: Kit-E-Kat. New Araby soap. Scan eye lotion. Scram, 1001 cleaner. Victory-V lozenges. Citroze. Cow and Gate baby food. Cabdrivers linctus. Val-Pak cream beauty mask.

PUBLICATIONS

Booklets and Leaflets

COTY (ENGLAND), LTD., 3 Stratford Place, London, W.1: "Coty Beauty Book," pp. 24. The "Coty Shade Card" presents the Coty selection of shades in a novel and particularly accessible manner. Each of six different, colour-indexed sections can be separately detached by releasing a rubber band.

GRIFFIN & GEORGE, LTD., Alpertown, Wembley, Middlesex: "Merit of Metal" and "Everything for the Laboratory." Pp. 6 and 4.

BENGUE & CO., LTD.

Trinuride tablets*	100	22 0	36 0
dispensing pack	500	95 0	

CHESEBROUGH-POND'S, LTD.

Vaseline liquid shampoo*		2 4
Christmas pack		

DISTILLERS CO. (BIOCHEMICALS), LTD.

Distaquaine V elixir forte	2 oz.	18 8	28 0
		3 Doz.	
		18 3	
		6 Doz.	
		17 10	

GENATOSAN, LTD.

Genacort lotion	Doz.	
0.25 per cent. 32 mls	94 0	
0.5 per cent. 20 mls	108 0	
Pulvogen powder*	25 6	3 8
Barquinol H.C.	10 gm.	64 0

A. & G. NICHOLAS, LTD.

Englate tablets	50	Each 9 0	13 6
syrup	8 oz.	8 4	12 6

SMITH & NEPHEW PHARMACEUTICALS, LTD.

Welldorm tablets*	25	2 6	4 6
	250	20 0	36 0

ROUSSEL LABORATORIES, LTD.

Gonadyl tablets 50 i.u.	25	13 4
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VITAMINS, LTD.

Tropenol tablets	100	15 0
	500	48 9

JOHN WYETH & BRO., LTD.

Neo-Endrine*	15 mls	Doz. 40 0	5 6
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More people than ever prefer Neophryn



They have had Neophryn prescribed for them in the past. They know that it relieves nasal congestion pleasantly without irritation or secondary congestion. They know that it is *safe*, even for young children and they like the economical easy to-use, pocket-size spray. The demand is heavy now—make sure your stocks are adequate.

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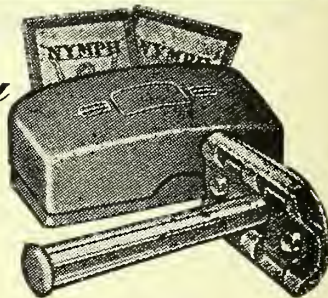
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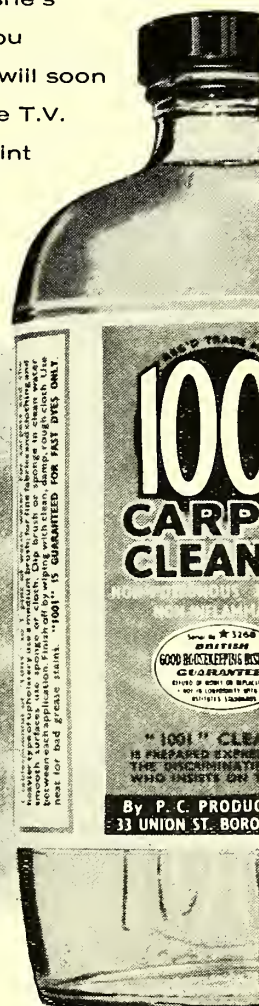
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MANUFACTURER'S OFFER OF STEEL SHELVING

- Brand new — Manufactured in our own works
- Shelves adjustable every inch
- Heavy gauge shelves will carry 400 lb. each
- Stove enamelled bronze green
- 6 shelves per bay — extra shelves 8/- each
- Quantity discounts

72" High
34" Wide
12" Deep

Telephone :
69018/9

DELIVERED FREE £3 15s.

Ready for Erection

N. C. BROWN LTD.

SHELVING DIVISION · EAGLE STEEL WORKS
HEYWOOD · LANCs



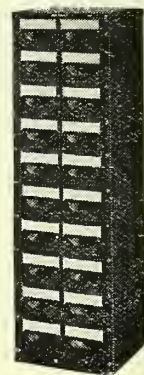
and All-Steel DRAWER UNITS



The Standard drawer, 5 in. wide × 3 in. high × 11½ in. long containing one free divider and drawer card. Sample will be sent on request.

20 of these drawers are contained in the "INDUSTRIAL TWENTY." Overall size, 42 in. high × 13 in. wide × 12 in. deep. Delivered free **£7.15.0.**

Send for leaflets of other sizes.
Stove Enamelled Bronze Green.



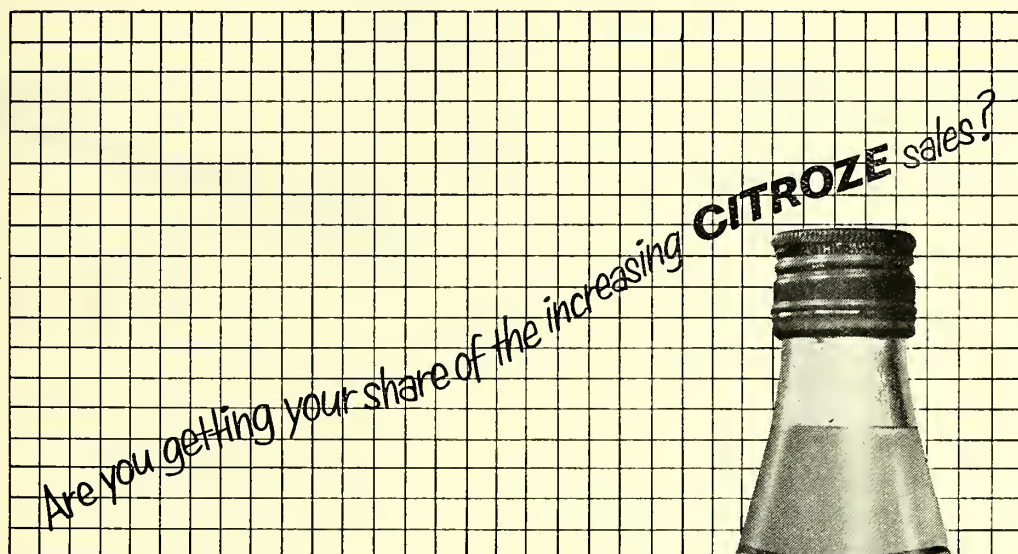
GALLIC ACID PYROGALLIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

AND DERIVATIVES

WHOLESALE AND EXPORT ONLY

J. L. ROSE, LIMITED, FRESH WHARF, HIGHBRIDGE ROAD, BARKING, ESSEX



SALES HAVE GONE UP TREMENDOUSLY!

Here's why . . .

IT'S RECOMMENDED BY DOCTORS

The doctor's advice carries weight. And Citroze—the pure glucose drink—is recommended by doctors. It gives back lost energy, bucks you up when you feel tired or low, and speeds recovery from colds, 'flu and other illnesses.

IT'S BACKED BY NATIONAL TV AND PRESS ADVERTISING

More and more people are learning about Citroze from the lively TV commercials—on twice a week. And from the frequent Radio Times advertisements.

IT'S RECOMMENDED BY ONE PERSON TO ANOTHER

Once people have discovered Citroze, they tell their friends about it. Because not only does it give up-and-at-'em energy, but Citroze tastes so nice. Pure concentrated glucose, flavoured with whole fresh lemons. Retail price, 2/6 and 3/9.

DO YOURSELF A GOOD TURN—ORDER PLENTY OF

CITROZE

(TRADE MARK)

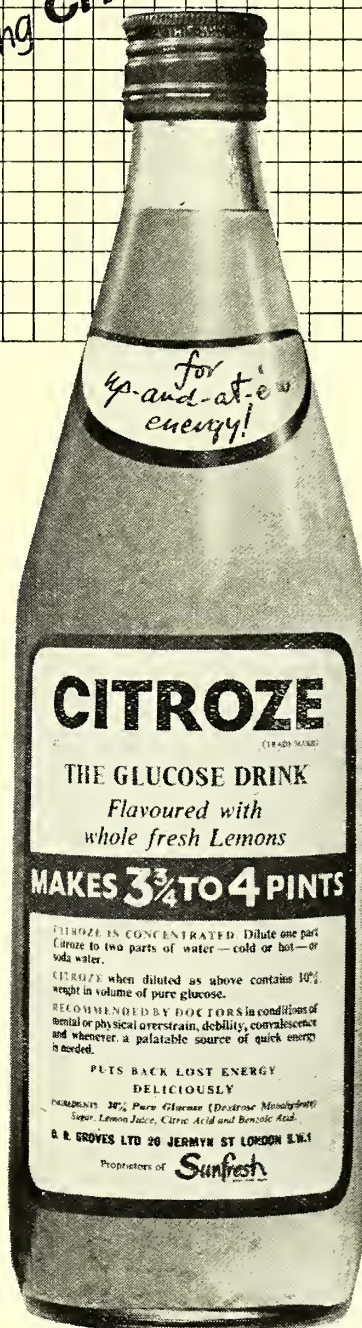
AND DISPLAY IT PROMINENTLY!

FOR UP-AND-AT-'EM ENERGY

RECOMMENDED BY DOCTORS

Order now from your usual supplier or write! phone:—

O. R. GROVES LTD · 20 JERMYN ST. LONDON S.W.1 · GERRARD 9484 (7 LINES)



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SHAMPOOS

AMAZING SALES
ACCLAIMED

FAST BECOMING THE
No. 1 Seller

ONE box on your Counter—LANOLIN, LEMON CREAM, COCONUT, CHAMPAGNE, BEER and DANDRUFF. Packed 6 doz. in Display Carton (1 doz. of each type). For every texture of hair. Retail 6d. per sachet. Trade 40/- per gross plus Tax 30%. Refills available in individual 1 doz. packs of any one type. Large size bottle (sufficient for 8-10 shampoos). Retail 2/9. Trade 18/4 per doz. plus Tax.



PUT A
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Direct or from
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Telephone: ARChway 2674

When your customers
ask for a Compressed
Sanitary Towel



SANTALUXE

in individual cartons

They have been selling for
years and are considered
in every way a most
satisfactory and
reliable product.

From all wholesalers.

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSINGS MANUFACTURERS
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Further
outlook—
COLD and WET!
just the weather
for
Rheumatism,
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Lumbago,
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RADIARAY

INFRA-RED

and Radiant Heat Lamps.

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LIMITED

174/192, Escourt Road,
London, S.W.6 Estab. 1919





"All right, Mr. Baxter, shall we continue? . . .

. . . now that you seem to be getting the idea, just let me reiterate that I.Z.S., as you so neatly put it, 'has something the other insulins haven't got.' In other words, in about 90 per cent. of patients the blood-sugar level can be controlled for up to 24 hours with a single injection of I.Z.S.

When you compare the various insulins available, you'll find that no other form is so universal in its application as I.Z.S. This is, among other things, because I.Z.S. does not contain any protein or peptide material other than the insulin itself, and is therefore practically free of any allergic reactions. Perhaps Mr. Baxter will now give others a chance to raise their questions."

I.Z.S. A.B. Vials of 10 c.c.
40 or 80 units per c.c.

I.Z.S. (Amorphous) A.B.
Vials of 10 c.c. 40 units per c.c.

I.Z.S. (Crystalline) A.B.
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Insulin
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QUALITY
IN WHITE FLINT
GLASS CONTAINERS



First Class
in GLASS

- Prompt delivery from stock
- Packed in easily handled cartons

**NATIONAL GLASS
WORKS (YORK) LTD.**

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ALSO AT 105 HATTON GARDEN, LONDON, E.C.1.
Tel. HOLBORN 2146



WHOLESALE ONLY

DISPENSING BOTTLES

1-oz. to 20-oz.

RIBBED OVALS

½-oz. to 16-oz.

BOW-FRONT PANELS

1-oz. to 8-oz. and 16-oz.

OLIVE OIL BOTTLES

2½-oz., 5-oz. and 10-oz.

OVAL TABLET BOTTLES

Nos. 1 to 7½ sizes.

ROUND SCREW JARS

Tall and Semi-squat.

PANEL FLATS

1 oz. to 4-oz.

VIALS

½-oz. to 3-oz.

RECTANGULAR TABLET BOTTLES

Nos. 1, 2, 3, 4, 5 and 6 sizes.

Monsanto works constantly both to develop new, better chemicals —and to improve those chemicals you already use . . .

ACETYLSALICYLIC ACID B.P.

PHENACETIN B.P.

METHYL SALICYLATE B.P.

VANILLIN B.P.

SALICYLIC ACID B.P.

SALICYLIC ACID (technical)

SALICYLAMIDE

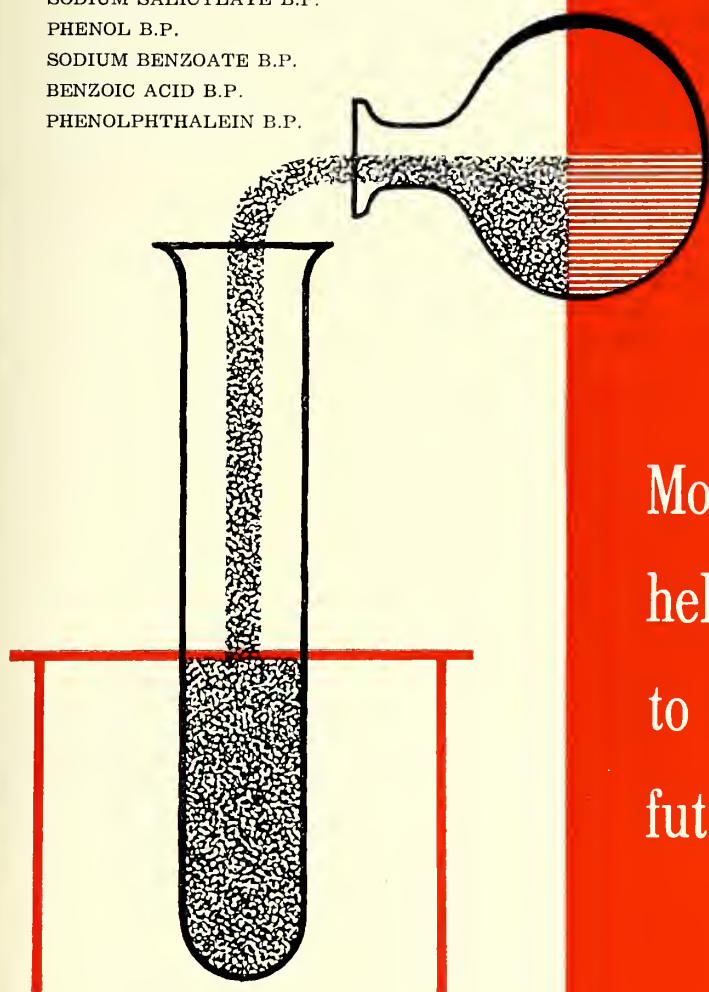
SODIUM SALICYLATE B.P.

PHENOL B.P.

SODIUM BENZOATE B.P.

BENZOIC ACID B.P.

PHENOLPHTHALEIN B.P.



Monsanto chemicals
help industry —
to bring a better
future closer



Regd.

MONSANTO CHEMICALS LIMITED

367 Monsanto House, Victoria Street, London, S.W.1
and at Royal Exchange, Manchester, 2.

In association with : Monsanto Chemical Company, St. Louis, U.S.A. Monsanto Canada Ltd., Montreal. Monsanto Chemicals (Australia) Ltd., Melbourne. Monsanto Chemicals of India Private Ltd., Bombay. Representatives in the world's principal cities.



Constant Research
ensures the consistent accuracy
and safe sealing of every
Kork-N-Seal closure.



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WITH UGB GLASS CONTAINERS

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The Closure Division of The United Glass Bottle Manufacturers Ltd

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UGB
CLOSURE DIVISION



When you
are re-ordering
your hot water bottles

make sure they're

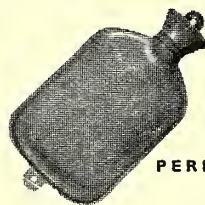
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RESTWELL
JUNIOR



PERFEX NO. 3



ATALANTA



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FABRIC

From your wholesaler. In case of difficulty write to:

J. G. INGRAM & SON LTD., HACKNEY WICK, LONDON, E.9

Brown-Glo

from

L'OREAL · PARIS

The **NEW** semi-permanent colouring that restores completely **NATURAL COLOUR** to

GREYING HAIR



COLOR-GLO created a vast new hair colouring market amongst younger women. Now comes BROWN-GLO, a sister product which conceals grey hair. 12,000,000 women will be reached by a strong advertising campaign.

The first of its kind in the world, BROWN-GLO will bring about another hair colouring revolution. At last, a woman with unwanted greying hair can buy a semi-permanent hair colouring that will conceal her grey hair absolutely naturally, and have all the following reassuring advantages.

- * It is not a dye—not a rinse.
- * It is absolutely harmless, and foolproof.
- * It survives shampooing and the effects last 4 to 5 weeks before requiring renewing.
- * Although it conceals her greying hair, the user still retains her natural colouring.
- * Because it is semi-permanent, she can return to her natural grey.
- * BROWN-GLO cannot rub off on clothes or pillows or run when wet.
- * It's good for the hair—improves its condition.
- * It does not affect permanent waving.

Millions of women have unwanted grey hairs. Every one is a potential user of BROWN-GLO, and once they begin to use it, they will go on buying it every 4 to 5 weeks.

There is big new profit for you—make no mistake about that. A great volume of sales is a certainty. All the drive, sales "know-how" and successful advertising technique that made COLOR-GLO a big seller from the word go is behind BROWN-GLO.

Strong advertising support for this revolutionary hair colouring is just starting. Grey haired women all over the country will be asking for BROWN-GLO. You must have some on your counter.

Order from your Wholesaler now, he has stocks available.

Brown-Glo

Trade price 28/10 per doz.

plus 90% tax

Retails at 5/9 per tube.

Packed in a tube inside an individual display carton with instruction leaflet and sponge applicator.

There are six shades, which we suggest are ordered in the following proportions:

Mid Brown	25%
Mid Warm Brown	15%
Dark Brown	20%
Dark Warm Brown	15%
Light Brown	12½%
Light Golden Brown	12½%

A SISTER PRODUCT OF COLOR-GLO . . . FASTEST SELLING HAIR COLOURING PRODUCT

THESE FIRMS AGREE

ON TWO THINGS

D. & W. Gibbs Ltd.
Macleans Ltd.
Pepsodent (Sales) Ltd.
Revlon International Corp.
E. Griffiths Hughes Ltd.
The Chas. H. Phillips Chemical
Co. Ltd.
Don S. Momand Ltd.

W. B. Cartwright Ltd.
Optrex Ltd.
Reckitt & Colman Ltd.
Scott & Bowne Ltd.
Colgate-Palmolive Ltd.
Thos. Hedley & Co. Ltd.
Crosfields (C.W.G.) Ltd.
Beechams Pills Ltd.

John Knight Ltd.
Lever Bros. Ltd.
F. W. Hampshire & Co. Ltd.
Silvikrin Laboratories
County Laboratories Ltd.
Chesebrough-Ponds Ltd.
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The above are a few of the firms who have run television advertising campaigns in ATV programmes—in London or the Midlands, or both.

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First, because ATV covers the two areas in the country with the most money to spend. Second, because ATV's programming know-how has such a high reputation for pulling in

large audiences that its shows are more in demand for networking to other regions than those of all the other contractors put together. Third, because ATV's closely-segmented rate structure enables you to pin-point your audience for maximum effect at minimum cost.

ATV gives you impact, value, coverage, service. Would you like to know what ATV could do for your product?

Ring CHAncery 4488 or Birmingham Central 5191 for further information.



Programme company for the weekend in London and weekdays in the Midlands

Associated TeleVision Ltd., Television House, Kingsway, London, W.C.2. Telephone: CHAncery 4488
and at Herbert House, 71 Cornwall Street, Birmingham 3. Telephone: Central 5191

The CHEMIST AND DRUGGIST

CLASSIFIED ADVERTISEMENTS (Prepaid)

Specialty spaced Advertisements, including:—Public and Legal Notices, Sale by Auction, Appointments, Contract Work, Patents, Partnerships, 18/- per 1/4 inch minimum and pro rata. Box 2/-. Clearances and Wants, Businesses for Disposal and Wanted, Premises, Agents Wanted, Agencies Wanted, Miscellaneous, 17/6 for 36 words minimum; then 4d. per word. Box 2/-. Situations Vacant, 12/- for 36 words minimum, then 4d. per word. Box 2/-. Situations Wanted, 3/- for 18 words minimum; then 2d. per word. Box 1/-. Replies to Box numbers should be addressed to:—The Chemist and Druggist, 28 Essex Street, Strand, London, W.C.2. Phone: CENTral 6565.

ORRIDGE & COMPANY

184 STRAND, W.C.2

Tel: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL

BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland Tel: Belfast 27078

BUSINESSES FOR DISPOSAL

CHEMIST'S business for sale on main A 68 trunk road, Edinburgh to Newcastle. Exceptionally easy ingoing. Suit newly qualified or other pharmacist. Particulars from and offers to Halliburton & Prentice, Solicitors & N.P., Jedburgh. C 1075

CHEMIST'S, drug store with premises. Main position, busy eastern suburb. Good turnover, all lines. Scope for pharmacy. Favourable lease. Available early 1958. Box C 1081.

PREMISES TO LET

WELHAM GREEN. Shops and flats being erected in developing district. Chemist urgently wanted. Apply in writing to Day (Contractors), Ltd., 705 High Road, N.12. C 1059

TENDERS

NEWMARKET URBAN DISTRICT COUNCIL

TENDERS for the lease of a new shop on Council housing estate invited by the Newmarket U.D.C. Maisonette above shop offered to successful tenderer at Council house rent. For details apply:—Clerk of the Council, Severals House, Newmarket. C 7337

THE BOROUGH COUNCIL OF HESTON AND ISLEWORTH

invite tenders for a Lease for a term of seven years in respect of a lock-up shop on their Cranford Lane Housing Estate to be used for the trade of Chemist (with, if possible, Sub-Post Office and Telephone Kiosk). Forms of tender, to be returned by noon on December 16, 1957, may be obtained from the Town Clerk, Town Hall, Hounslow, Middlesex. C 7345

APPOINTMENTS

RESEARCH SCHOLARSHIP SUNDERLAND TECHNICAL COLLEGE

Principal: D. A. Wrangham, M.Sc.(Lond.), Sen.Wh.Sc., D.I.C., A.C.G.I., M.I.Mech.E.

Applications are invited for a Research Scholarship in the Pharmacy Department, Sunderland Technical College, in the subjects Pharmacognosy, Pharmaceutical Chemistry or Pharmacology.

Candidates must be graduates in Pharmacy or Fellows of the Pharmaceutical Society. The value of the Scholarship is £500 per annum. Further particulars and forms of application may be obtained from the Registrar, The Technical College, Sunderland.

Applications should reach the undersigned within fourteen days of the appearance of this advertisement.

Canvassing will be a disqualification.
W. THOMPSON,
Director of Education.

Education Offices,
15 John Street,
Sunderland, co. Durham. C 7327

THE CHEMIST & DRUGGIST

APPLICATIONS are invited for the post of Assistant Publisher of **THE CHEMIST AND DRUGGIST**. Applicants must possess a pharmaceutical qualification, and have business and sales experience within the pharmaceutical industry, together with some knowledge of advertising techniques. Four-figure appointment. Staff Pension Scheme and Bonus Scheme in operation. Write stating age and experience to: Staff Director, Morgan Brothers (Publishers), Ltd., 28 Essex Street, Strand, London, W.C.2. C 1062

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS

Assistant-in-Dispensing required. Whitley salary scale with London Weighting. Department is new and well equipped. Apply to Hospital Secretary, giving details of qualifications, experience and names of two referees. C 351

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist and Pharmacist required at Bethnal Green Hospital (350 Acute beds). The department has recently been modernised and is approved for training students. N.H.S. Scale within the range £680-£870 for Senior Pharmacist and £600-£815 for Pharmacist, plus appropriate higher qualifications allowance. Apply with details of age, training and experience to the Group Secretary, 213 Kingsland Road, London, E.2. C 344

DERBY No. 2 HOSPITAL MANAGEMENT COMMITTEE

Chief Pharmacist Group Basis Category II. Salary £725-£990. The successful applicant will be responsible for organising and attaining this service throughout nine hospitals in the Group and will be based at Babington Hospital, Belper. Applications stating age, qualifications and full details of experience, together with the names of two referees to be forwarded as soon as possible to the Group Secretary, Derby No. 2 Hospital Management Committee, Babington Hospital, Belper. Canvassing directly or indirectly will disqualify and applicants must disclose in writing whether they are related to any member or senior officer of the Committee. C 7350

HIGHBURY HOSPITAL, BULWELL, NOTTINGHAM

Pharmacist Applications are invited for the above post, full-time. The post offers opportunity to obtain experience in general pharmaceutical work. Salary and conditions of service in accordance with the Pharmaceutical Whitley Council regulations. Applications stating age, qualifications and names of two referees, to be sent to the Hospital Secretary, as soon as possible. C 7301

GOODMAYES HOSPITAL, BARLEY LANE, GOODMAYES, ESSEX

Assistant-in-Dispensing Applications are invited for the above post. Full time. Salary aged 22 or over £375 x £15 (3) x £20 (1) x £15 (2) x £20 (1)—£490 per annum plus London Weighting £20/£30 (according to age) for 39-hour-week. Applicants should possess the certificate of the Society of Apothecaries for which additional payment of £20 per annum will be made. Applications to the Secretary with names of two referees should be sent immediately. C 345

HIGHCROFT HOSPITAL, ERDINGTON, BIRMINGHAM, 23

Dispensing Assistant preferably with recognised qualification. Locum or permanent. £375 at age 22 to £490, plus £20 for qualifications. Apply Medical Superintendent. C 7330

KENT AND CANTERBURY HOSPITAL, CANTERBURY

Senior Pharmacist required for the Group Pharmaceutical Department. This post offers excellent experience in all branches of pharmacy. This department services the Canterbury Group, comprising eleven hospitals with a total of approximately 850 beds. Salary (Category IV hospital) £650 x £30 (6)—£830 per annum. Higher qualifications allowance payable as appropriate. The Group Pharmacist will be pleased to answer any inquiry either by telephone or letter concerning the duties of the post. Applications with full details and copies of three testimonials to be forwarded as soon as possible to the Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury. C 7323

ROYAL NATIONAL THROAT, NOSE AND EAR HOSPITAL, GRAY'S INN ROAD, W.C.1

Assistant-in-Dispensing required. Whitley Council salary and conditions of service. Applications, giving full particulars to Chief Pharmacist. C 7324

LEYTONSTONE (No. 10) HOSPITAL GROUP

Pharmacist Applications are invited for the above post at Whipps Cross Hospital, London, E.11. (Category V Hospital.) The hospital is ideally situated, being on the Central Underground Line within 20 minutes of Central London. Application forms from the Hospital Secretary to be returned as soon as possible. C 348

GEIGY PHARMACEUTICAL CO., LTD.

is expanding rapidly and desires to engage

MEDICAL REPRESENTATIVES*in the following territories :***A. THE MIDLANDS****B. SOUTH WEST LONDON**

Candidates should be Pharmacists and if inexperienced in Medical Representation will be thoroughly trained. These positions are permanent, salaries are attractive and progressive. There are good prospects for promotion, a new car will be provided and liberal expenses paid. There are generous existing schemes for pension and bonus.

Applications should contain full personal details and be addressed to the:

Sales Manager, Geigy Pharmaceutical Co., Ltd.,
Roundthorn Estate, Wythenshawe, Manchester 23



C 7351

Appointments—Continued
**ROYAL EYE HOSPITAL,
ST. GEORGE'S CIRCUS, S.E.1**
Pharmacist

required for interesting work at this Hospital which has a new Pharmaceutical Department and is within easy reach of Waterloo Station. Whitley Council rates. Applications with full details and names of two referees to the Secretary. C 357

**STAINES GROUP HOSPITAL
MANAGEMENT COMMITTEE,
ASHFORD HOSPITAL,
ASHFORD, MIDDLESEX**
Pharmacist and Locum Pharmacist

required. Pharmacist on salary scale £580-£785 p.a. plus London Weighting allowance. Post vacant December 1, 1957. Locum Pharmacist, salary £16 16s. per week. Applications, stating age, qualifications and experience, with copies of up to three recent testimonials to Medical Director of hospital immediately. C 356

**ST. ALFEGE'S HOSPITAL,
GREENWICH, S.E.10**
(Category IV)
Senior Pharmacist

Applications are invited for the above post in a well-equipped department at the above hospital, which may be inspected by arrangement with the Chief Pharmacist. Salary £650 x £30 (6)—£830, plus London Weighting. Whitley Council conditions. Applications to Group Secretary, G. & D./H.M.C., at above hospital. C 7325

**ST. PETER'S HOSPITAL,
CHERTSEY, SURREY**
Pharmacist and Assistant-in-Dispensing

required. Whitley Council conditions. Hospital situated in rural surroundings within easy access of London. Accommodation available for single woman. Salaries: Pharmacist £580 to £785 p.a. according to experience. Assistant-in-Dispensing, £375 to £490 p.a. Applications stating age and experience, with names of two referees, to Administrative Officer. C 7322

**THE GENERAL HOSPITAL,
MOORLANDS ROAD,
DEWSBURY**
Chief Pharmacist (Category II)

Applications are invited for the above post. Salary £725 to £990. Applications giving details of age, experience, qualifications and names of two referees to be submitted to the Group Secretary, Hospital Management Committee No. 11, 20 Oxford Road, Dewsbury. C 7336

**UPTON HOSPITAL,
SLOUGH, BUCKS**
Senior Pharmacist

required at this General Hospital. Applications stating age, qualifications and experience with names of two referees to Secretary as soon as possible. C 7329

**WEST MIDDLESEX HOSPITAL,
ISLEWORTH, MIDDLESEX**
Assistant-in-Dispensing

required. Interesting and varied duties, good experience. Whitley salary scale with London Weighting. Apply giving details of age, experience and names of referees to the Chief Pharmacist. C 7349

**WEST MIDDLESEX HOSPITAL,
ISLEWORTH, MIDDLESEX**
Pharmacist

for main Pharmaceutical Department. Salary £580-£785 per annum, plus London Weighting. Whitley conditions and assimilation point in salary scale, according to experience. Apply giving age, qualifications, experience, names of referees to the Chief Pharmacist. C 7348

**SITUATIONS VACANT
RETAIL HOME**

ASSISTANT PHARMACIST required for good-class business. Would suit lady or gentleman. Full supporting staff employed. Congenial working conditions. Forward usual particulars and state salary required to E. Fishers, Ltd., Melton Mowbray, Leicestershire. C 1050

**THE PHARMACEUTICAL SOCIETY
OF GREAT BRITAIN
SCOTTISH DEPARTMENT**

Applications are invited from young pharmacists (aged 21-25) for an appointment to the staff of the Scottish Department. The duties will be largely concerned with the organisation of practical examinations and will include quantitative chemical estimation of preparations to be used in the examinations. Facilities for research will be given to a person holding suitable qualifications.

Fuller particulars may be obtained from the Resident Secretary, 36 York Place, Edinburgh, 1, to whom applications should be sent, giving date of birth, education, qualifications and experience, and the names of two referees. Applications should be received not later than December 20, 1957. C 7343

ASSISTANT, either sex, for counter and stock, no dispensing, for City Pharmacy. Hours, 9-6 p.m., Saturday close 1 o'clock. 44 Cophall Avenue, E.C.2. C 1083

CHELSEA. Male unqualified assistant required for dispensing and general duties. Full particulars by letter please. Timmis & Richards, 432 King's Road, S.W.10. C 1076

DISPENSERS (EITHER SEX). We have several attractive vacancies in various suburban London areas which offer a substantial salary structure and superannuation benefits. Applicants should state age and experience in writing to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10, when a local interview will be arranged. C 1066

SOUTHEND-ON-SEA. Pharmaceutical Chemist required to manage substantial business with full supporting staff. A modern flat at an economical rental would be available if required. The successful candidate will be eligible for the company's superannuation scheme. Apply, stating full details and when available for interview, to Box C 1064.

BAYER PRODUCTS LTD.

Continuing our expansion programme, we now require additional medical representatives in the following areas:—

SCOTLAND, YORKSHIRE — NORTH, WEST AND EAST MIDLANDS AND SOUTH EAST ENGLAND

A training course will be held in the early Spring for men who are qualified or have a pharmaceutical or medical background or proved selling ability in a similar field plus the capacity to profit by this training.

We offer . . .

a good basic salary, commission and expenses, a Company car, personal insurance and superannuation. Equally important, we offer security in the progressive representative team of an established ethical company.

If you have . . .

the qualifications, background and initiative necessary, write in confidence to:—

**THE SALES MANAGER, BAYER PRODUCTS LTD., NEVILLE HOUSE, EDEN STREET,
KINGSTON-ON-THAMES, SURREY.**

Interviews will be arranged in regional centres in the first instance.

C 7316

Situations Vacant—Continued

GREENFORD, MIDDLESEX. Managing Pharmacist required for an extensive dispensing establishment in this attractive area. The salary structure is substantial and there will be ample opportunities for progress and promotion. Application stating full details in first instance to Box C 1065.

MARGATE, MANAGER REQUIRED for important town-centre branch of old-established firm. Progressive permanent position; generous remuneration by salary, or salary and commission as applicant prefers. Accommodation, flat or house available. Full particulars; age, experience and salary required to V. J. Woolls, Ltd., 16 Cecil Square, Margate, Kent. C 1074

RETAIL (OVERSEAS)

PHARMACIST. Young qualified lady required for busy departmental pharmacy in Southern Rhodesia early in 1958; excellent prospects for energetic and capable person. Apply by airmail, stating age, experience, religion, nationality, etc., with photograph to Advertiser, P.O. Box 184, Bulawayo, Southern Rhodesia. C 1077

WHOLESALE

BURROUGHS WELLCOME & CO., require a VETERINARY REPRESENTATIVE

A vacancy exists in South Wales and South-west England for a representative to call on members of the veterinary profession. Applicants, who must be pharmacists, should not be more than 35 years of age. A knowledge of veterinary therapeutics is desirable but not essential, as adequate training will be given. Residence in the Bristol area is envisaged; a car will be provided. The position is pensionable (contributory scheme). Applications (by letter only) should give details of previous experience; they will be treated in confidence and should be addressed to the General Sales Manager (Veterinary), Burroughs Wellcome & Co., The Wellcome Building, Euston Road, London, N.W.1. C 7331

BECAUSE OF EXPANSION of our sales force a Medical Representative (resident of Aberdeen) is required for Northern Scotland to call on doctors, hospital and retail pharmacists. Applicants should have some pharmaceutical background or training and should be between 25-35 years. Previous selling experience will be an advantage. Remuneration is by salary and a prize scheme is operated. Expenses are allowed, company car provided and there is a non-contributory pension scheme. Applications giving full particulars of education and past experience should be addressed to—Sales Manager, Lederle Laboratories Division, Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2. C 352

CAREER-MINDED representatives are required by a Manufacturing Company, distributing nationally advertised products through the Chemist and Hardware Trades, to cover the following areas:—

1. North and East Ridings of Yorkshire and North Lines.
2. North Lancashire and Westmorland.
3. Kent and London South-east Postal Districts.
4. Surrey, Sussex, Hampshire, and London South-west Postal Districts.
5. Oxfordshire, Buckinghamshire, and Berkshire.

Car owner essential, living in chosen area; existing similar connection an advantage. Remuneration by salary, commission and expenses. Superannuation scheme in operation. Applications giving age, education and full details of experience to date in confidence to Box C 7335.

EVANS MEDICAL SUPPLIES, LTD., have a vacancy for a representative to call on chemists in Nottinghamshire and Leicestershire. Car provided, pension scheme, previous experience desirable. Apply with full details of career to Home Sales Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19. C 7333

EVANS MEDICAL invite applications from pharmacists for post of Manager Drug Distribution Departments. Pension scheme. Five-day week. Apply by letter stating age, experience, etc., to London General Manager, Evans Medical Supplies, Ltd., Ruislip, Middlesex. C 7352

GENATOSAN LIMITED (a member of the Fison Group of Companies) require an AREA FIELD MANAGER

for their medical Sales Force, an appointment which will take effect early in the New Year. Applicants must have experience in medical representation, preferably in the London area, and should be pharmacists or have exceptional background in this field. The successful candidate will reside in the London area.

The appointment is an interesting one, well remunerated and superannuated, offering excellent prospects for a really first-class man. Replies in confidence should be addressed to the Personnel Officer, Genatosan Limited, Loughborough, Leics. Please quote reference 32. C 7303

MANUFACTURING CHEMISTS, N.W. Middlesex, require alert young man, aged 20-25, for training in tablet making and coating. Apply with full particulars to Box C 354.

MAY & BAKER, LTD., of Dagenham, Essex, invite applications from young men (aged 21-30 years) for the position of Technical Assistant in their Pharmaceutical Chemical Sales Division. Candidates should have a B.A. (Cantab)/B.Pharm. degree or a pharmaceutical qualification, Contributory pension scheme. Apply initially in writing to the Personnel Officer, quoting Reference No. 142. C 7308

REPRESENTATIVES, already calling on chemists, etc., to carry new synthetic toilet sponge of exceptional quality on commission basis. Representatives required most areas. Box C 1078.

WYETH—DIVISIONAL SALES MANAGER

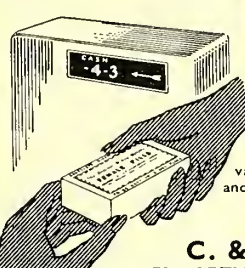
In their expansion programme Wyeth are creating posts of Divisional Sales Managers, based in London, to lead and control an expanding team of representatives detailing the medical, pharmaceutical and allied professions. Applications are invited for one of these posts from individuals who should possess a proven sales ability in the following capacities in the ethical pharmaceutical field.

- Medical representation.
- Area managership or supervision.
- Executive and Administrative Function.

Interested candidates should send in full details of their education and career to date along with other personal particulars. The post carries an attractive salary, a share in an incentive scheme, a Company contributed pension, a car and prospects of advancement.

All applications, which will be regarded as confidential, should be addressed to CHIEF PERSONNEL OFFICER, JOHN WYETH & BROTHER, LTD., CLIFTON HOUSE, EUSTON ROAD, LONDON, N.W.1. C 7354

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KEARSLEY'S Pills have proved a very valuable remedy over 150 years for anaemia and lassitude in ladies. Over 10d BOX PROFIT by ordering one dozen of the 4/3 size. 13 to the dozen bonus given.

C. & G. KEARSLEY LTD
71 DARTMOUTH ROAD LONDON S.E.23

Situations Vacant—Continued**MEDICAL REPRESENTATIVES**

Applications are invited from either Pharmacists or those having pharmaceutical background for positions as Medical Representatives.

As a result of expansion these positions are available in all parts of the United Kingdom.

Successful applicants will participate in the Company's non-contributory Pension Scheme and also be provided with a company car.

A good starting salary is offered for these positions and expenses allowed. Applicants should state territory in which they are interested, giving full details of past career, etc., quoting reference D 7368, to Box C 7187.

MEDICAL REPRESENTATIVE

British Schering, Ltd., Manufacturers of Ethical Pharmaceutical Preparations, require a Representative to contact Doctors, Hospitals and Chemists in the South-west of England.

Applications are invited from young men (age 24-35) with Pharmaceutical, Medical or Nursing experience.

The successful candidate will be given a complete training so that previous experience of representation is not essential.

Representatives are provided with a Company car, a generous Expense Allowance, and are eligible for the Company's Superannuation Scheme.

Applications, which will be treated in the strictest confidence, stating age, experience and salary required should be sent with a recent photograph to: Home Sales Manager, British Schering, Ltd., 229-233 Kensington High Street, London, W.8. C 7328

REPRESENTATIVES

A number of representatives required in the following areas:—Eastern Counties, London, Lancashire by an expanding company in the Pastille and Lozenges field. This company is part of a group with ramifications throughout the whole pharmaceutical industry. Applications are required only from experienced representatives with proved selling ability, able to operate on own initiative and control and develop their area.

Remuneration mainly as salary. Normal expenses allowed. Car will be provided. Apply Box C 7346.

SENIOR CHECKER for new pharmaceutical wholesale warehouse in Walthamstow. Would suit young experienced man with ambition. Rapid promotion for the right person. Managing Director, Unichem, Ltd., Broadwater Road, London, S.W.17. C 7342

MEDICAL REPRESENTATIVE, either sex, required for London area. Experienced in calling on general practitioners. Whilst preference will be given to pharmacist, applicants should give adequate details of experience, education and/or academic attainment, to warrant consideration. Excellent position with good prospects offered to successful applicants. Apply in writing to the Managing Director, Biorex (marketing), Ltd., 47-51 Exmouth Market, E.C.1. C 7334

TECHNICIAN

PFIZER, LTD., the Pharmaceutical Manufacturers, require a Technician with considerable experience of sterile filling and ampoule and vial operations for their packaging plant at Folkestone.

The successful applicant must have had previous experience with a Pharmaceutical Company on these operations and be capable of taking charge of these sections.

A generous starting salary will be given and a Pension and Life Assurance scheme is in operation.

Applications, in writing, should be made to Personnel Officer, 137/139, Sandgate Road, Folkestone, quoting reference E 6601. C 7326

YOUNG PHARMACIST required as co-ordinator for veterinary sales and information department. Training in both sales and technical aspects of these departments will be given. As this company is expanding rapidly prospects will be good. Apply Personnel Officer, Bayer Products, Ltd., Neville House, Eden Street, Kingston, Surrey. C 7288

AGENTS WANTED

ENERGETIC established agent required on commission by established sponge importers to take over and extend existing connection in Yorks and Lancs wholesale and retail chemists and stores. References required. Reply Box C 7355.

MANUFACTURERS' AGENTS required for Lancashire and N.W. Counties, South Wales and Midlands. To carry nationally advertised and fast-selling hair beauty preparations. Applicants must have established tour and in contact with both the wholesalers and retailers. Apply Box C 7353.

SITUATIONS WANTED**RETAIL HOME**

PHARMACEUTICAL CHEMIST, elderly, in good health, desires short hour, congenial engagement; retail or otherwise. Please mention hours, terms offered. Harris, 16 Skelmersdale Road, Clacton. C 1079

RETAIL (OVERSEAS)

PHARMACIST (Northern Ireland) emigrating to Australia, early 40's, 20 years' experience retail, single. Seeks interesting remunerative post. Box C 1063.

WHOLESALE

PHARMACIST. 44, wide retail and wholesale experience, requires responsible position with wholesale house in London. Box C 1082.

AGENCIES WANTED

AUSTRALIA. Gentleman settling in Australia wishes to contact companies with suitable products, either ethicals or counter lines, for marketing in that country. Box C 1087.

YORKSHIRE. Agent for well-known firm, willing carry line where first-class wholesale and retail chemists connection is of value. Box C 1080.

BUSINESS OPPORTUNITIES

Up to £500,000 available for purchase of a business

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Write in strict confidence without obligation to:—

REGINALD TERRELL

BUSINESS BROKERS LIMITED

46, St. James's Place, London, S.W.1
Telephone: HYDe Park 1678

C 7246

PROPRIETORS of branded pharmaceutical product with first-class registered trade mark, wish to contact an organisation capable of extending the present sales limited to London area, to the rest of the country and possibility exports. Would consider royalty basis or outright sale. Box C 1085.

EXPERIENCED PRICING CLERK

Wanted experienced pricing clerk, used to Wholesale Chemists Distribution Trade. Male or Female. One living in or near Nottingham preferred. Top rates and permanency for the right competent person. Replies in confidence. Box C 7347

IMPORTANT

Office Box numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade circulars, Samples and Printed Matter cannot be forwarded.

Business Opportunities—Continued

FOR SALE as a going concern, Pharmaceutical Company with tax losses and valuable registered trade marks. Enquiries from principals only. Box C 1086.

INVESTMENT COMPANY

with substantial cash resources is interested in acquiring, for cash or shares (quoted), the share capital or controlling interest of established businesses with profits of £10,000/£50,000 per annum; preferably where continuity of management personnel is available. Replies will be treated in strict confidence. Box No. 700, Dorland Advertising Ltd., 18-20 Regent Street, S.W.1. C 7341

WANTED

LARGEST CASH BUYERS of photographic equipment of every description, outdated film and paper, etc. Spears, 14 Watling St., Shudehill, Manchester, 4. Phone Blackfriars 1916. Bankers: Midland Bank, Ltd. C 341

TANNIC acid, B.P., pulv. required, any quantity. Details of price, etc. Replies to Box C 7338.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

MISCELLANEOUS

IMITATION JEWELLERY, Jodez (Manchester), Ltd., 8/10 Shudehill, Manchester, 4, offer again a wonderful selection of the newest Autumn and Xmas lines in Diamante, Marcasite, Gilt, Pearls, Sets, etc. Sample parcels from £5 upwards (c.o.d. or two references). C 7202

IMMEDIATE ADVANCES**£50 to £20,000****WITHOUT SECURITY****REGIONAL TRUST LTD.**

8 CLIFFORD STREET
NEW BOND STREET, LONDON, W.1
Phone: Regent 5983 & 2914

C 353

PUBLIC NOTICE**MEDICINES, PHARMACY AND POISONS ACT (NORTHERN IRELAND), 1945**

Proposed Regulations regarding the storage of certain poisons included in the Fourth Schedule to the Poisons Regulations (Northern Ireland), 1956. The Poisons Board for Northern Ireland is considering the desirability of advising the Minister of Home Affairs to make regulations governing the storage of the following substances:—

BARBITURIC ACID: its salts; derivatives of barbituric acid; their salts; compounds of barbituric acid; its salts; its derivatives; their salts; with any other substance.

BETA-AMINOPROPYLBENZENE: its salts; its N-alkyl derivatives; their salts; beta-aminoisopropylbenzene; its salts; its N-alkyl derivatives; their salts; except solutions containing less than 1.0 per cent. of amphetamine.

The proposed Regulations would make it obligatory on persons licensed to keep open a chemist's shop or persons responsible for premises in which the substances are manufactured, or sold wholesale, to keep them in a locked room or cupboard which can be opened only by:—

- (1) in the case of the chemist's shop, the registered pharmaceutical chemist in charge;
- (2) in the case of the manufacturer's or wholesaler's premises, the supervisor, who must be either:—
 - (a) a registered pharmaceutical chemist, chemist and druggist or druggist, or
 - (b) a person holding the degree of Bachelor of Science (Pharmaceutics), or
 - (c) a person having one of the following qualifications in chemistry:—

- (i) the Fellowship of the Royal Institute of Chemistry, or
- (ii) the Associateship of the Royal Institute of Chemistry.

Any person wishing to make representations about these proposals should communicate with the Secretary, Poisons Board, Ministry of Home Affairs, Stormont, Belfast. C 7344

MISCELLANEOUS SALES

100 BAYS of brand new adjustable steel shelving, 72 in. high by 34 in. wide by 12 in. deep, stove-enamelled bronze green. Sent knocked down—6 shelf bay—£3 15s. Sample delivered free. Quantity discounts. N. C. Brown, Ltd., Eagle Steelworks, Heywood, Lancs. Telephone: 69018. C 7339

CHAMOIS LEATHERS

SPECIAL OFFER. Approximate size 26 in. x 14 in. Individually Cellophane Wrapped. ONLY 5s. 6d. each. (Minimum order 12 skins). Discount for quantities, 1 Kip (30) less 5 per cent.; 5 Kips less 7½ per cent.; 10 Kips less 10 per cent. ORDER NOW. County Chamois Co., Ltd., Rocky Lane, Aston Cross, Birmingham. C 7297

LOOFAH SPONGES

8-10 in. long, 4/- a doz., post free. An Empire product. F. I. Scott, Myungwe Est., Namadzi. P.O. Nyasaland. C 1031

SPRING GAY FASHION JEWELS
FREE LIST FROM
L. FRANKENBERG, LTD.,
37 HOUNDSDITCH,
LONDON, E.C.3

C 269

SURPLUS PLANT

BAKER CAN/JAR FILLING MACHINE: 16 jets with steam-jacketed reservoir tank. Ideal for quick filling. **LAMSON PORTABLE CONVEYOR**, almost as new, 14 ft. 6 in. long, 1 ft. 6 in. wide. Height adjustable (hydraulic) 4 ft. to 10 ft. Conveyor is reversible. 230/240 v. single phase. Capacity 3 cwt.

WILKINSON OINTMENT MILL. Diameter of Stones 20 in. **CLAYTON "UNIPRESSOR"** single head crowner/capper, motorised, 400/440 v. 3 phase. All above in excellent condition. Please contact Works Manager, Optrex, Ltd., Perivale 4441. C 7340

TIN TABLET BOXES, hinged lids, new and unprinted, 3½ x 2½ x ¼ in. 62,000 available. £4 per 1,000 or near offer to clear. J. Kenyon, Ltd., Victoria Works, Bayley Street, Stalybridge, Ches. C 1084

SALES BY AUCTION**B. NORMAN & SON**

will auction at 1 New Broadway, Ealing, W., on Tuesday, December 3, at 2 p.m. Excellent Mirror-backed Wall Cases and Counters suitable for Chemists. Apply Auctioneers, 2-5 Little Britain, E.C.1, for Catalogue. C 7332

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established 16 years, with enthusiastic management and staff and with the very latest equipment, would welcome your D. & P. enquiries. Postal service is per return but quality is not sacrificed. P.D.A. prices and discounts. We are members of P.D.A., W.P.F.A., and I.B.P. Mr. L. H. Morgan, Gwent Photographic Services, Snatchwood Works, Pontypool, Mon. Tel.: Taly-wain 355. C 274

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